



wef AWARDS 2021

Chicago

WEF Awards and Presidential Celebration

October 19, 2021

5:00PM

Committee Chair Service Appreciation



Community of Practice Directors

Top Row

Steven H. Drangsholt
Awards & Recognitions
2019 - 2021

Srinivas Vallabhaneni
Collection Systems
2020 - 2021

Janet Cann
Committee Leadership Council Chair
2019 - 2021

Scott Schaefer
Disinfection & Public Health
2019 - 2021



Dianne M. Sumego
Outreach & Innovation
2019 -2021

Second Row

Mary Johnson
Laboratory Practices
2019 - 2021

Robert W. Domkowski
Manufacturers & Representatives
2018 - 2021

Aaron Berry
Membership
2019 - 2021

Diego Rosso
Program
2018 - 2021



David Chamberlain
Sustainability
2019 -2021

Third Row

John L. Willis
Residuals & Biosolids
2019 - 2021

Sue G. Schneider
Safety, Cyber and Infrastructure Security
2018 - 2021

John R. Buchanan
Small Community
2018 - 2021

Virginia A. Roach
Stormwater
2019 - 2021



Todd M. Wibright
Treatment
2019 - 2021

Bottom Row

Nashita Naureen
Students & Young Professionals
2020 - 2021

Published Papers

Gascoigne WWTP Operational Improvement Medal

"Fear Grease No More"

Stan Sircello

Water Environment & Technology, Vol. 32, No. 5,
(May,2020), pg. 42



A small water resource recovery facility in Florida develops a method for dewatering grease waste by belt filter press
Stan Sircello

Treatment of grease from commercial and residential grease traps has long presented a problem for the smaller water resource recovery facility (WRRF). Unlike their larger counterparts, smaller WRRFs often do not have the space to pump their grease waste into an incinerator. For smaller facilities that use belt filter presses for dewatering, grease waste poses a significant challenge because it clogs the press belts. Against this backdrop, the staff at Brevard County's South Central Regional Wastewater Treatment Facility (SCRWTF) in Vero, Florida, developed a novel approach for treating grease. The method accounts for the density of the grease, the physical properties of water removal, and the suppression of the ambient and thus is included within the mixture of grease waste and sludge brought to the treatment facility by septic truck haulers. Following treatment by this unique approach, the mix of grease waste and sludge undergoes dewatering by the facility's belt filter press without loading the press belts. As a result, the facility disposes of grease waste as part of its normal waste solids to the landfill. This change has enabled Brevard County to reduce its cost to dispose of grease waste significantly, as compared to the previous practice of applying the treated grease to land.

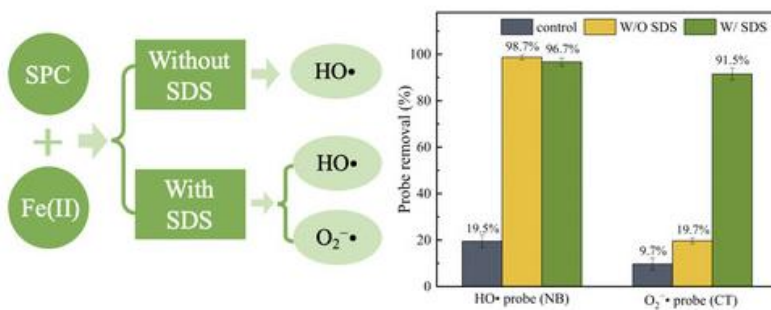
Limiting Land Application
Historically, grease waste often has been treated with lime and disposed of by means of land application. However, this option is becoming a thing of the past, as regulatory agencies have begun restricting the practice in certain states. Florida is not such an example. In 2016, the Florida Department of Environmental Protection severely restricted the land application of treated grease waste. For many years, the SCRWTF treated its grease waste by adding lime to raise the pH, ensuring sufficient pathogen and vector reduction. The treated grease waste then was loaded away in trucks and disposed of by means of land application. The cost of the lime and the tanker fees amounted to a substantial expense for the facility. In 2015, the SCRWTF began experimenting with different ways to treat grease waste to enable it to be dewatered by belt filter press, with the goal of reducing disposal costs. After several years of trial and error, and as the facility discovered a cost-effective method for treating and dewatering the grease waste that it receives from septic haulers.

From Grease Trap to WRRF
The term grease at wastewater primarily refers to lipid and lipophilic wastes produced by land and

42 MAY 2020 WWW.WET-ONLINE.MAGAZINE

McKee Groundwater Protection, Restoration or Sustainable Use Award

"Trichloroethylene degradation performance in aqueous solution by Fe (II) activated sodium percarbonate in the presence of surfactant sodium dodecyl sulfate"



Jingyao Huang, Muhammad Danish, Xihao Jiang, Ping Tang, Qian Sui, Zhaofu Qiu, Shuguang Lyu
Water Environment Research, Vol.92, No. 8,
(August 2020), pp. 1142-1151

Rudolfs Industrial Waste Management Medal

Renewable Diesel-Unique Wastewater Treatment Challenges"

Michael E. Mecredy, Jonathan A. Kusowski,
Russell R. Freda, T. Houston Flippin, Ronald
W. Ballard
2020 WEFTEC Proceedings

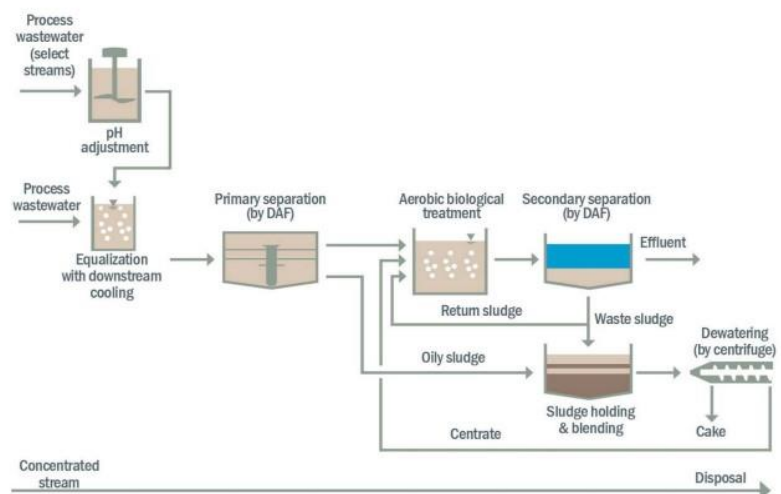


Figure 11. Process Flow for Case Study Number 3

Operational and Design Excellence Awards

Collection Systems Award



Angela D. Charles



George Kurz

Morgan Operational Solutions Award



Michael E. Parsons

WEF Safety Award



City of Garland, TX
Wastewater Treatment

Industrial Water Quality Achievement Award



Bongards Creameries

Operational and Design Excellence Awards

WEF Project Excellence Awards

Longmont, Colorado Biogas Treatment and RNG Fueling Station

Awardees: City of Longmont (CO) Public Works and Natural Resources, Carollo Engineers and CGRS, Inc.



Metro Water Recovery Nuisance Struvite and Dewaterability Improvements

Awardees: Metro Water Recovery (Denver, CO), Stantec, Hazen and Sawyer and PCL

Construction



Hazen



Portsmouth (NH) Peirce Island Wastewater Treatment Facility Upgrade

Awardees: City of Portsmouth (NH), AECOM and Methuen Construction



Honorable Mention: Springs Union Free School District Spring School Sewage System Upgrade

Awardees: Springs Union Free School District (East Hampton, NY) and H2M Architects



Education Awards

WEF Canham Graduate
Studies Scholarship



Yian Sun

Fair Distinguished Engineering
Educator Medal



Dr. Joel Ducoste

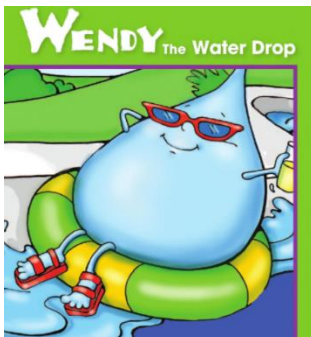
Public Communication & Outreach Program Awards –
Other Category



Lott Clean Water Alliance
WET Science Center

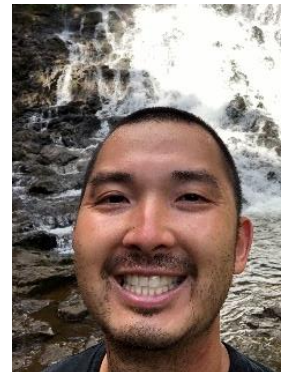


Central Contra Costa
Sanitary District
Pipe Protectors Program



DC Water
Wendy the Water Drop book

WEF Operator Scholarship



WEF Operator Scholarship

First Row

Kylie Turner

Enumclaw, Washington
Pacific Northwest CWA

Nadine Robertson

Harvey, Louisiana
Louisiana WEA

Daniel O'Sullivan

Buffalo, New York
New York WEA

Brian Carey

Boonton, New Jersey
New Jersey WEA

Second Row

Riley Cobb

Buxton, Maine
New England WEA

Kacie Rear

Sitka, Alaska
Alaska WWMA

Todd Saums

Maumee, Ohio
Ohio WEA

Ian Oyama

Waimea, Hawaii
Hawaii WEA

Bottom Row

Elizabeth V. Jensen

Lynchburg, Virginia
Virginia WEA

Isaiah Rosario

Lancaster, Pennsylvania
Pennsylvania WEA

Not Pictured

Mathew Tedla

Etobicoke, Ontario
WEA of Ontario

Kisha Ortiz

Denver, Colorado
Rocky Mountain WEA

Leah Frances

Tulare, California
California WEA

Mitchell Washington

Page, Arizona
AZ Water Association

Clayton John Marriott

Ogden, Utah
WEA of Utah

Individual Service and Contribution Awards

Outstanding Young Water Environment Professional Award



Vanessa Borkowski



Pono Hanson

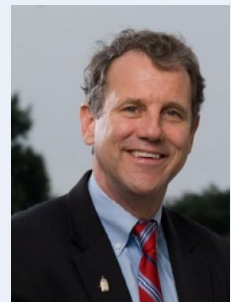
Public Officials Award



Commissioner
Mariyana Spyropoulos
Chicago, Illinois



County Executive
Steven Bellone
Hauppauge, New York



United States Senator
Sherrod Brown
Ohio

Individual Service and Contribution Awards

Water Heroes Award



Contra Costa
Water District
Concord, California



Chesterfield County
Department of Utilities
Chesterfield County,
Virginia



Clackamas Water
Environment Services
Oregon City, Oregon



**LASAN workers rescue
resident from drowning**

Carlos Aldape and Johnathon Truong
LA Sanitation
Los Angeles, California



CARLOS ALDAPE TORRES
LA SANITATION



Organization and Association Recognition Awards



Outstanding Member Association
Award

Virginia Water
Environment Association (VWEA)



Water for People Robert W. Hite Outstanding
Leadership Award

Adam Conner

2021 WEF Fellows



Janet Hurley Cann, P.E.
Water Environment
Association of South
Carolina



Peter Cavagnaro, P.E.,
BCEE
Michigan Water
Environment Association



Sylvan Coles
Kansas Water
Environment Association



Raynetta Curry Marshall, P.E.
Florida Water Environment
Association



Marlo R. Davis
Water Environment
Association of Utah



Francis L. De Los Reyes III,
PhD
North Carolina Water
Environment Association



Jennifer Hartfelder, P.E.,
PMP
Rocky Mountain Water
Environment Association



Sidney Innerebner, PhD, P.E.
Rocky Mountain Water
Environment Association



Jacqueline Ariza Jarrell, P.E.
North Carolina Water
Environment Association



Chris Johnston, P.E.
British Columbia Water
and Waste Association



Kristin Morico, P.E., BCEE
New England Water
Environment Association



Erin Mosley, P.E.
New England Water
Environment Association



Aisha Niang, P.E.
Water Environment
Association of Texas



Christopher Peot, P.E.,
BCEE
Chesapeake Water
Environment Association



Prakasam Tata, Ph.D.,
BCES, QEP
Illinois Water Environment
Association

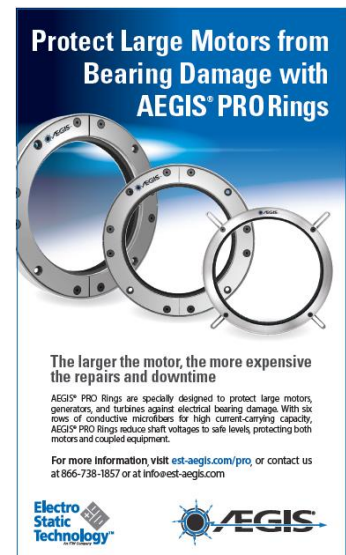
WEF Citation of Excellence in Advertising

Best Presentation of Information



Mueller
"Innovative Pipe Repair Solutions"

Electro Static Technology
"Protect Large Motors from
Bearing Damage with AEGIS PRO
Rings"



Best Design



Xylem
"New Concertor Pumping System
with Integrated Intelligence"

Flomatic Corporation
"Manufacturing in America
It's Our Commitment"



WEF Citation of Excellence in Advertising

Best Campaign



Homa Pump Technology

"Increase Pump Station Efficiency Decrease Life Cycle Costs"

National Municipal Stormwater and Green Infrastructure Awards Program

Phase I Winners

Overall Winner – Anne Arundel County Bureau of Watershed Protection & Restoration, Maryland

Program Management Winner – The City and County of Honolulu MS4 Program, Hawaii

Innovation Winner – Gwinnett County Department of Water Resources, Georgia

Phase II Winners

Overall Winner – Capitol Region Watershed District, Minnesota

Program Management Winner – Central Massachusetts Regional Stormwater Coalition

Innovation Winner – City of Alexandria, Virginia

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President-Elect



Jamie Eichenberger, P.E.

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2018 – 2021



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2014 - 2021