2016 WINTER MEETING AND EH&S FORUM IN SAN ANTONIO | FEBRUARY 17-19

NORA ANSWERS VTAE FAQ’S

MASSIVE FIVE YEAR HIGHWAY AND TRANSPORTATION FUNDING BILL SIGNED INTO LAW

NORA GATHERS PCB INCIDENT INFO FOR EPA

INPECTION OVER INDICTMENT: SPCC PLANS AND STORAGE TANK INSPECTION

2015 CONFERENCE & TRADE SHOW WRAP-UP
California’s New EPA Permitted Facility

with Treatment and Rail Service

Cole’s Environmental
1620 E Brundage Ln
Bakersfield, CA 93307
(661) 322-8258

info@kernwaste.com
www.kernwaste.com
What’s next?

How low can it go? Most NORA members have been asking themselves this for over a year now related to oil prices.

As collectors, processors and marketers of used oil, our industry is heavily impacted by the value of crude oil. Given our relative small size to the overall oil industry, we are definitely the “tail that is wagged by the dog.” Therefore, it is critical that NORA members stay informed on the global oil market as they position their companies for success in 2016 and beyond.

What are some driving factors that could impact the global oil market over the next year? Here are a few of the factors we will be watching:

Oil export ban lifted? Since 2007, the export of refined petroleum products has doubled. On December 15, 2015, congressional leaders agreed to lift a 40 year old ban on oil exports. This has not been signed into law yet, but this action would allow the glut of oil in the United States to be sold overseas. Offsetting this is the fact that the international market is also saturated, which lowers the demand for these exports. As market conditions change, this could dramatically affect our market.

What will the Saudis do? The effectiveness of the OPEC cartel has varied over time as market conditions and political considerations are different for each member country. The drop in oil prices has several members such as Venezuela and Algeria pushing strongly to drastically limit production by the member countries to help their ailing economies. The Saudis have been attempting to keep prices low to regain market share from the American shale oil producers. The drop in oil prices since mid-2014 has reduced OPEC revenue by $500 billion, according to various news reports. In late November, Saudi Arabia announced that they want to work with the other OPEC countries — but it is uncertain what that means.

What about the Iranian nuclear agreement? Whatever your views on the recent nuclear agreement with Iran are, this will impact the oil available to the global market. In 2012, Iran was only able to sell oil to six countries. With the anticipated lifting of sanctions in 2016, Iran has said they will hit production levels of about 4 million barrels per day. Monitoring the uncertainty about this development, and how it will impact the decisions of Saudi Arabia will be key for NORA members.

There are many other factors to monitor, including the interest rates rising, the Isis conflict and mergers in our industry.

In 2016, NORA is committed to keeping our members up to date on these factors in our events and publications. In the meantime, I encourage all members to download the PowerPoint on our website from our recent conference called “Oil Markets Tanking”. It includes detailed factors for 2016 and Dr. Loren Scott’s prediction on oil prices in 2016.

---

LIQUID RECYCLING

NORA, 7250 Heritage Village Plaza, Suite 201, Gainesville, VA 20155 | P: 703-753-4277 | info@noranews.org | www.noranews.org

TABLE OF CONTENTS

FEATURED
5 NORA Gathers PCB Incident Information
10 Inspection over Indictment
12 2016 NORA Elected Leadership
14 NORA Answers VTAE FAQ’s
16 2016 Winter Meeting and EH&S Forum
21 2016 Winter Meeting Registration Form
24 Massive 5 Year Highway & Transportation Funding Bill Signed into Law
26 2015 NORA Conference & Trade Show Wrap-up
33 2015 NORA Conference Presentations
36 24th Annual Golf Tournament
38 2015 Closing Party and Glow Golf
40 2016 Advertising Opportunities

IN EVERY ISSUE
4 Member Spotlight
6 Industry News
41 Classic Used Oil Generators
42 New NORA Members
43 Industry Calendar
44 Supplier/Vendor Spotlight
48 Supplier/Vendor Directory

ADVERTISEMENTS
13 Air Products & Chemicals
45 Cadon
2 Coles Environmental
50 Continental Refining Company (CRC)
54 Demенко/Kerdoon
57 DesertMicro
66 Dexil
51 Dolphin Centrifuge
63 Ecocarb International Inc.
58 Emerald Environmental
55 Environmental Specialists Inc.
52 GEA Group
61 Heritage-Crystal Clean
56 Lubrizol
25 Mouvex
7 National Chemical Supply Corp
60 Oilmen's Truck Tanks Inc.
15 Par-Kan
42 Products Plus, Inc.
49 Radian Chemicals LLC
23 Spencer Strainer Systems
46 Summit Environmental Technologies
9 Sweet Gazoil Inc.
62 The Ultragen Group Ltd.
11 TCI Services
43 Tradebe Environmental Services
64 Trihydro
59 Universal Lubricants
53 US Foundry
47 Vertex Energy
39 Werts Welding
35 XL Catlin
How long has your company been in the Industry? How/why was the company established?

NOCO has collected used oil since the early 90’s. NOCO entered the lubricant business and quickly realized that providing a service for customers to dispose of their waste oil was imperative.

Initially, we only collected used oil and only for NOCO lubricant customers. As the business grew, and we discovered outlets for the fuel, we expanded our pickup area and the customers that we serviced.

What services and/or products do you provide?

NOCO currently provides used oil, used antifreeze, and used oil filter service for its customers. It will also partner to help customers deal with items such as parts washer solvent and oil debris. Other services provided by NOCO include lubricant and fuel delivery. NOCO has a 42 million gallon fuel terminal, supplies natural gas, electric, propane, and is also a supplier of new lubricants to its customers.

Where does your company provide service?

NOCO’s Recovery operation is based in Western New York and serves mainly the Western/Central New York and Northern Pennsylvania areas. NOCO’s greater interests include 30 plus Convenient stores in Western New York and eight Lubricant warehouses in New York, Pennsylvania, Vermont, Massachusetts and Canada.

Why are you a member of NORA? How does NORA help you build your business?

Initially, NOCO joined NORA as someone new to used oil collection. NORA was critical for information and contacts needed to operate a successful collection business. As NOCO grew, our need for goods and services that NORA members provided also grew. Many contacts have been made that have helped make NOCO more than a regional oil collector.
In the course of negotiating with EPA on the reform of the rules governing clean-up of used oil contaminated with PCBs, the Agency officials asked NORA for an extensive quantity of information regarding NORA members’ experiences with PCB incidents. The magnitude of information requested was so large that only an expensive and long-term study could fully address EPA’s questions.

NORA has pointed out to EPA that a great deal of the requested information is in the Agency’s possession. For example, EPA (including the EPA Regional Offices) has files on each used oil/PCB incident where remediation has been undertaken. There is also a lengthy list of approximately 8400 PCB waste handling activity reports. Although these reports cover a wide range of PCB events (not just incidents involving used oil), they demonstrate that PCBs are widespread throughout the United States. In other words, they have not been “flushed out of the system” as was anticipated when EPA prohibited the manufacturing of PCBs in 1979.

However, in a good faith effort to respond to EPA, NORA’s task force on PCB reform project decided to conduct interviews with a representative set of NORA members concerning their experience with PCB contamination incidents. A one-page questionnaire was developed and the telephone interviews have commenced. The interview questions involve the number and frequency of PCB incidents, the cost of remediation, the original concentration of the PCBs (if known), whether the generator of the PCBs was identified and prosecuted by EPA as well as related topics. The entire interview takes about 25 minutes.

A portion of the interview questions involve NORA’s proposed Best Management Practices. Here are the questions and answers from one company:

Are you familiar with NORA’s proposed Best Management Practices? [Testing for PCBs prior to processing the used oil or wastewater; generator certifications, retaining generator samples; guard tanks; annual employee training]

Yes, very familiar.

What Best Management Practices does your company implement, if any?
As of 2015, all Best Management Practices are fully implemented including employee training.

What would be your estimate of the annual cost to your company of implementing BMPs?
Approximately $120,000 a year.

The identity of companies participating in these interviews is strictly confidential. Only NORA Executive Director Scott Parker and General Counsel Chris Harris (who are conducting the interviews) will have access to that information. NORA expresses its gratitude to all the companies who have generously participated in these interviews.
**INDUSTRY NEWS**

**NORA Member Clean Harbors Announces Launch of Kleen Performance Products**

NORA Member Clean Harbors, Inc. recently announced the formation of Kleen Performance Products, a new business unit dedicated to the research, development, sales and distribution of high-quality engine oils, lubricants and other automotive and industrial products.

This new Clean Harbors business will build on the Company’s 30-year record of innovation in oil refining processes and leadership position in the North American market for renewable oils and lubricants. Kleen Performance Products will offer a portfolio of products, including Safety-Kleen’s current EcoPower® branded lubricants and base oil produced with re-refined oil, and the Performance Plus line of full synthetic, synthetic blend and other finished lubricants. These diverse offerings position the new business unit to serve the fast-growing market for high-performing lubricants tailored for modern engines, while supporting the reduction of greenhouse gas emissions and carbon footprints.

“The formation of Kleen Performance Products will enable Clean Harbors to capitalize on untapped growth opportunities in an expanding market and dedicate more resources to product development, sales and customer service,” said Alan S. McKim, chairman and chief executive officer of Clean Harbors. “We are well-positioned for long-term growth, with demand for superior lubricants being driven by the modernization of industrial machinery, the resurgence of manufacturing and the next generation of more fuel efficient cars and trucks.”

“Additionally, the creation of this standalone business and brand allows the Safety-Kleen organization to concentrate exclusively on its core business of environmental services, including the collection of approximately 220 million gallons of used oil annually,” McKim added.

The total global market for engine oils and lubricants is projected to grow from $140 billion in 2013 to $162 billion in 2019, according to research firm MarketsandMarkets. About 56 percent of this increase is expected to come from motor oil, engine lubricants and other transportation products.

**NORA Member Vertex Energy Promotes John Strickland to Chief Operating Officer**

NORA Member Vertex Energy, Inc. announced that it is promoting John Strickland, its long-time Manager of Supply, to be its Chief Operating Officer (COO), effective immediately. He will succeed David Peel, who is retiring.

Strickland joined Vertex in late 2007 and has over 30 years of experience building relationships and developing companies in the recycling of used oils and fuel blending. In his various positions, he has grown used oil collection fleets, environmental service programs (non-hazardous), terminaling businesses for #6-oil from water ports and helped develop software for used oil collection operations.

Benjamin P. Cowart, CEO of Vertex, said, “John Strickland has done a remarkable job for us in the Black Oil Division and is in touch with every supplier on a daily basis. He has a good understanding of the industry and our business, and he is a key player in helping us address industry challenges. We are confident that he is the right man for the job, and we anticipate his contributions will likely grow in magnitude as his responsibilities expand.”

Strickland stated, “I am thankful for this opportunity, and look forward to continuing to work closely with Mr. Cowart and Chris Carlson, our Chief Financial Officer, to build our business, our reach into the marketplace, and overcome the industry challenges.”

**NORA Member Hydrodec Group Production Update at Canton**

Hydrodec Group plc recently announced that trains 5 and 6 at its plant at Canton, Ohio have been successfully started and brought into production. This is an important milestone and means that all six trains at the Canton plant have now been brought into service. The Company maintains its production projections for Canton for the current year at 10 million litres of processed oil and continues to anticipate the Canton plant to be cash generative from an operating perspective by the end of 2015.
Proudly serving over 20 NORA Members who are using NCS products and achieving phenomenal results.

SAVE PROCESSING TIME
Produce quality oil faster.

Safety, efficiency, and professional results are what our clients have come to expect from National Chemical Supply (NCS) in the last 30 years. Whether your needs are cleaning, maintenance or a variety of industrial applications, you can rely on NCS to offer you the most effective solution.

NCS also provides industrial boiler, cooling, and wastewater treatment chemicals, equipment, and consulting services to suit all your needs.

NO GAMES. NO NONSENSE.
Less water. Faster processing. Better quality of oil in less time.

Quality oil is the name of the game. Be sure when you send your oil out that there aren’t going to be any complaints. Over 90% of our clients are producing oil with less than 2% water after starting with an average of 40% and are doing it in as low as 6 to 8 hours.

Are the products you use working as well as you’d like? National Chemical’s products can be formulated to meet the specific needs of your industrial applications. Contact us today with your specifications and we’d be happy to work closely with you in providing a solution. We will adjust in a matter of 24 hours a product for you.

ADDRESS: 4151 SW 47 Ave. Building 1-5 | Davie, FL 33314
CELL: (954) 683-1645 | COMPANY: (800) 515-9938
EMAIL: info@nationalchemicalsupply.com
WEB: www.nationalchemicalsupply.com

Serving America’s Industry For Over 30 Years
Working everyday to improve the quality of our industry and the environment it affects.
NORA MEMBER TERRAPURE ENVIRONMENTAL REBRANDS AFTER SALE BY NEWALTA

The former Industrial Division of Newalta Corporation became a new stand-alone entity called Terrapure Environmental, following Newalta’s sale of the business to Toronto-based Birch Hill Equity Partners.

Headquartered in Burlington, Ontario, Canada, Terrapure employs 900 people and operates an integrated network of over 30 government-regulated facilities from coast to coast. Under new ownership, the company continues to focus on providing innovative solutions that minimize waste and maximize the recovery or recycling of valuable industrial by-products through its facility network and on customer sites.

Included among the company’s locations is its North Vancouver used oil re-refinery, which produces over 30 million liters of products annually, including 17 million liters of Group II base oil.

“While our company name has changed, the innovation and high level of service and professionalism we bring to customers has not,” said Terrapure President & CEO Todd Moser. “The values that have been deeply ingrained in our culture – including an unwavering commitment to health and safety excellence, environmental stewardship, community involvement and customer service—will ensure we are well positioned for growth and success in the future.”

NORA MEMBER VALICOR’S PRODUCT DESTRUCTION TECHNOLOGY HELPS REDUCE LANDFILL WASTE

NORA Member Valicor, an environmental services company that specializes in fluid recovery and regeneration, announced technological advances in product destruction that allow the company to recycle and reuse consumer packages and goods. The new technology is available in the St. Louis, Missouri and Franklin, Ohio facilities, and will reduce landfill byproduct, helping companies that handle consumer products repurpose their unwanted materials.

“This new technology gives our customers the confidence that their product is being handled in a safe and secure manner,” said Todd Pees, Product Manager at Valicor. “It gives their product life beyond its original intent while repurposing it in a way that will reduce landfill waste and have a positive impact on the environment.”

Valicor now has the ability to repurpose the waste from food and beverage products, along with consumer products like soap and detergents. The container and contents of the consumer products are recycled into a new reusable product and repurposed for use with another company. By repurposing the waste from these consumer products, the amount of material destined for a landfill is reduced. Space that may have been used for a landfill can then be used for other purposes.

The product destruction technology is strategically located in the St. Louis market. Valicor will soon be opening a new facility in Monroe, Ohio. Their centralized locations give Valicor and its fleet the ability to cover product destruction needs throughout the United States. Valicor also plans to expand coverage into the Chicago, Illinois, market within the year.

EPA CHLORINATED PARAFFINS DEADLINE EXTENDED A YEAR

The U.S. Environmental Protection Agency has delayed until the middle of 2017 of the ban on production and importing of mid-and long-chain chlorinated paraffins.

The Independent Lubricants Manufacturers Association has been communicating to the EPA that elimination of chlorinated paraffins is not necessary and will adversely impact commercial customers. They are used in metalworking fluids as extreme-pressure agents, especially in difficult drawing, forming and removal operations.

SHARE YOUR NEWS!

If you have news you would like to share with the industry, email info@noranews.org.
This transforms used oil, waste oils, marpol and asphalt flux into diesel. It is simple, reliable and truly efficient. One of 5 innovations under international patent applications.

**International Engineering Services**

Our engineers have extensive experience in crude refining and heavy oil upgrading. For the past 20 years, they specialized in used and waste oil technologies. Their engineering work provides high quality, innovative, client and market oriented solutions:

1. **Diagnostics:** Finding ways to improve your operations and margins
2. **New plant design:**
3. **Enhance performance of existing plants:**
   a. Reduce equipment fouling
   b. Treat more types of feedstock (not just ULOs)
   c. Increase the quality and quantity of valuable products
   d. Stabilize and make products meeting specifications without expensive hydrotreating.

---

**For Inquiries**

www.sweetgazoil.com  
LouisBertrand@sweetgazoil.com  
1-514-502-5098

**Patent Applications**

Anti-Fouling distillation (PCT/CA2013/050111)  
Fouling resistant cracking (PCT/CA2011/050207, PCT/CA2013/050091, PCT/CA2013/050092)  
Stabilizing/desulphurizing (PCT/CA2011/050117)
December of 2015 will be a month that Freedom Industries, Inc. as well as several former Freedom officials will not soon forget. Former Freedom officials (including previous company owners) will be facing jail time at a sentencing hearing set to take place December 2015 as a result of federal crimes related to the Elk River chemical spill in Charleston, West Virginia, which ultimately contaminated the water supply of more than 300,000 people.

According to Federal court indictment, criminal conduct included a number of items including: failure to properly maintain the tank containment area, failure to properly inspect a tank, and failure to develop and implement a Spill Prevention Control and Countermeasures (SPCC) plan. These charges could have been avoided if Freedom had developed an SPCC plan and followed it by maintaining a quality tank inspection program. Spill Prevention Control and Countermeasure plans are an essential tool that tank owners should utilize in order to meet Federal law. While most facilities have made progress towards creating these plans, there is still a shocking number of facilities that do not realize requirements within these SPCC plans, specifically in regards to Storage Tank Inspections. Tank Integrity Programs are an essential element for Tank Owners, and it goes much, much further than just checking for leaks.

The EPA has released several publications on expectations for SPCC plans that specify tank integrity programs are to follow “industry accepted standards.” This means that formal inspections are to be performed by certified API 653, STI-SP001, or FPTI-2007 inspectors. The type of certification required and industry standard that a tank must be inspected to is dependent on the type of tank or bulk storage container.

SPCC plans are required for a number of oils including but not limited to petroleum, fuel oil, sludge, oil refuse, oil mixed with wastes, fats, oils or greases of animals, vegetable oils, etc. The frequency of how often inspections should be performed is based on a formal baseline inspection that can vary depending on the industry standard that is being utilized.
For tank owners that don’t have any baseline information, this likely will create a cause for concern. The good news is that there may still be time. Baseline inspections must be established within the first five years of the most recent amendment to their SPCC plan. For example, the last SPCC plan was amended on November 10th, 2011. Therefore, the facility owner must schedule the first (baseline) container inspection or integrity test by November 10, 2016.

Although some facilities have been granted extensions and have shown progress on developing SPCC plans and/or quality tank integrity programs, the final deadline to have both of these in place will be sometime in 2016. In many cases facilities have already missed their own deadline due to a lack of knowledge and expertise when it comes to environmental compliance as well as storage tank inspection requirements.

For all tank owners, it is in their best interest to take care of this immediate issue. There are Tank Inspection Companies out there that specialize in these type of inspection services and have experienced professionals dedicated in taking the time to give you a full rundown on what is required for your specific situation. Make sure to be critical when choosing a tank inspection expert, look at how long they have been around and what influence they have had in the tank inspection world.

The future of your company will likely depend on taking the initiative to address this pressing issue through expert advice, proven experience, and most important, quality tank inspections that utilize the correct industry accepted standard. Pick up the phone and call an expert today.

TCI contact Dylan Brown, TCI Services at: dbrown@tank-consultants.com Office: (281) 842-1126 Cell: (815) 861-1240

---

**SPCC PLANS & STORAGE TANK INSPECTION**

TCI Services, Inc. has proven to be the most trusted industry professionals in all things aboveground storage tank related for over 20 years. Proudly known as the “Storage Tank Experts,” some of TCI’s services include, but are not limited to the following:

- STI SP001 Storage Tank Inspection
- API 653 Storage Tank Inspection, Construction & Engineering Services
- FPTI 2007-1 Fiberglass Tank Inspection
- Environmental Compliance Consulting Services

**Spill Prevention Control and Countermeasures (SPCC):** From the baseline inspection to technical guidance/training to storing your inspection reports, TCI is here to assist you in every step of the SPCC plan process. By specializing in SPCC inspection services, you can rest assured that your facility will be fully compliant once TCI has completed the job.
2016 NORA ELECTED LEADERSHIP

2016 NORA EXECUTIVE COMMITTEE

President
Chris Bergstrom
NOCO Energy Corp

Executive Vice President
Roy Schumacher
Schumacher Consulting, LLC

Past President
Bill Hinton
Valicor Environmental Services, LLC

2016 NORA BOARD OF DIRECTORS

Ellie Bruce
Heritage-Crystal Clean, LLC

Dan Cowart
Aaron Oil Company Inc.

Curtis Ellis
InTerraChem, LLC

Wayne Geisert
Plummer’s Environmental Services, Inc.

Leon Glenn
Texpar Energy, LLC

Rich Kalin
Noble Oil Services Inc.

Steve Lewis
Safety-Kleen, a Clean Harbors Company

Carrie Reese
Intergulf Corporation

Gary Risse
Trihydro Corporation

John Strickland
Vertex Energy Inc.

NEWLY ELECTED

RE-ELECTED

2015 NORA Board of Directors at the Annual Conference & Trade Show
Air Products: Investing in Hydrotreatment Capability

Air Products’ Hydrotreatment Laboratory will be coming on-stream in the next few months. Air Products continues to focus on the growth of the Waste Oil Refinery and use its knowledge to support re-refiners. Prior to the NORA annual meeting, Air Products issued a press release announcing the construction of a new hydrotreatment laboratory. This will enable companies with small hydrotreaters, such as waste oil recyclers, to perform tests on their material before changing their larger processes. Air Products will be able to assist current hydrogen customers as well as other hydrotreaters with strategies to minimize their cost. The new lab has the benefit of multiple reactors, variable flow and pressure capability, process pressures up to 2000 psig and flexible interconnection. Air Products has gained a vast knowledge of hydrotreatment through 50+ years of supplying gases and technology to purify new and different materials in the crude oil industry. Simulating various hydrotreatment processes in the new lab, can help Air Products:

• Optimize hydrotreatment severity for the specific set of waste oil impurity and process conditions

• Optimize oil to hydrogen ratio

• Understand waste oil impurities and their effect on discoloration and off-spec oil

• Identify differences in performance between various catalysts

Refiners will be able to test things such as feedstock changes or variation, a new catalyst or new operating conditions before applying the change within their process.

Air Products team can help determine how to use industrial gases more effectively and efficiently. They strive to assist their customers by generating and now testing ideas that can allow for safe and profitable growth.

For more information, contact Tim Lebrecht at lebrectd@airproducts.com

Air Products cryogenic hydrogen compressor system can give you:

• High pressure, high flow flexibility

• Lower capital expense

• Reduced operating costs through minimized vent losses

• Increased efficiency through load-following

Need hydrogen for recycling waste oil?

1-610-706-4730
(mention code 5514)
THAT’S A GOOD QUESTION!
NORA Responds to Inquiries on VTAE

By Chris Harris, NORA General Counsel

Recently, the Asphalt Institute, a highly respected organization that studies and reports on a wide range of technical issues relating to asphalt, asked NORA to respond to a series of questions concerning Vacuum Tower Asphalt Extender (VTAE). These questions have evolved as a number of state departments of transportation have prohibited the use of VTAE in state highway projects.

Several NORA members, including re-refiners, produce what traditionally has been called “asphalt flux.” It is a thick, tarry hydrocarbon product that is derived from used oil. VTAE produced from used oil is typically blended with other asphalt materials, where it enhances the quality of finished asphalt products. It has two main applications: road paving and roofing materials.

VTAE has been produced and marketed since 1983.

NORA’s VTAE experts participated in several conference calls and collaborated in drafting answers to the Asphalt Institute’s 26 questions. Here are, for example, NORA’s answers to questions 5 and 6.

5. Are there asphalt tests that can differentiate re-refined products from those that are not re-refined?

**Response:** Yes, there are tests that can differentiate between re-refined products (VTAE) and unprocessed used oil in asphalt blends. Flash point, moisture, solubility and weight loss are all strong indicators.

6. Is there any chemical leaching from material? If so, how much is attributed to runoff?

**Response:** Toxic Characteristic Leaching Procedure (TCLP) testing has been performed on VTAE blends with asphalt, and the results show no difference when compared to asphalt without VTAE for a broad range of metals and semi-volatile organics including PACs.

NORA’s answers to these questions are only a small part of a major effort to address the concerns of the state departments of transportation about the reliability of asphalt pavement made with VTAE. This effort includes studies conducted by the Heritage Research Group that have concluded that when used in the proper proportions VTAE actually enhances the long-term stability of asphalt pavement. In addition, NORA has developed specifications to help ensure that the production of VTAE meets certain quality standards.

To learn more about VTAE, visit noranews.org/news or check out the NORA eNews from Nov. 30 in the archives section.

---

1 In addition to asphalt flux, VTAE is also known as asphalt extender, asphalt blowdown, VTB (Vacuum Tower Bottoms), re-refined engine oil bottoms and WEOR (Waste Engine Oil Residue).
Industry leaders of oil recycling containers for over 25 years.

Par-Kan Company
OIL & FILTER RECYCLING CONTAINERS

2915 W 900 S - SILVER LAKE, IN 46982 - www.par-kan.com

800-291-5487
When a company joins the Association, they confirm their commitment to NORA’s Guiding Principles. The first is:

“We make health, safety, and environmental considerations a top priority in our planning for all existing and new facilities, processes, products, and services.”

To build on the first guiding principle of NORA, the association will host its 3rd annual NORA Environmental, Health & Safety (EH&S) Forum on Wednesday February 17, 2016 at the Hyatt Regency in San Antonio, Texas prior to the start of the Winter Meeting. This forum is tailored for those whose roles within their companies significantly relate to EH&S issues. Topics that will be covered during the EH&S Forum include
You may register for the EH&S Forum as a stand-alone event for just $149, or combine it with the NORA Winter Meeting Registration and save $25. Register for the event online at www.noranews.org or by using the enclosed registration form on page 21.

For more information about the forum or Winter Meeting, please visit the events page at www.noranews.org
“Everyone that is someone is [here], the information exchange is great. When you walk away you should have been updated on where the industry is, where it is going, and what hurdles are present.”

Jon Hager, Colas Inc.
Over 150 industry leaders are expected to attend the 2016 NORA Winter Meeting to be held February 17-19, 2016 in San Antonio, Texas at the Hyatt Regency Hotel.

As with all NORA events, the Winter Meeting is an excellent opportunity for NORA members to network and discuss news and issues related to the liquid recycling industry. This event is highly interactive and fosters the development of business opportunities and industry knowledge. Special interest committees help members explore the opportunities and threats facing different sectors of the business. All are welcome to join any committee meeting.

Finally, the NORA Winter Meeting is a forum for members to have a say in the policies and positions of the association. View the tentative agenda on page 20 and register for the event on page 21, or by visiting the events page at www.noranews.org.

All NORA members are invited to sponsor this event and advertise in the Winter Meeting Book. You may purchase your sponsorship or advertising space by using the enclosed form or by visiting the Sponsorship tab on our website.

Hotel rooms are available for NORA members at the Hyatt Regency San Antonio for a discounted rate of $209/night. Call 1-888-421-1442 and ask for the NORA rate. You may also make reservations online by clicking the “Events” tab on our website. The cut off date for room reservations is January 26, 2016, but rooms may sell out earlier.

For more information, visit www.noranews.org > Events or contact Casey Parker at casey@noranews.org or (703) 753-4277.
WEDNESDAY, FEBRUARY 17  
NORA’S ENVIRONMENTAL HEALTH AND SAFETY FORUM

8:00 AM  Registration and Continental Breakfast
8:30 AM - 10:30 AM  EH&S Sessions
10:30 AM - 11:00 AM  Break
11:00 AM - 12:00 PM  EH&S Sessions
12:00 PM - 1:00 PM  Lunch
1:00 PM - 3:30 PM  EH&S Sessions

WEDNESDAY, FEBRUARY 17  
NORA WINTER MEETING

4:15 PM - 5:30 PM  Board of Directors Meeting
4:30 PM - 6:00 PM  Registration
5:30 PM - 6:00 PM  New Member & Board Member Reception
6:00 PM - 8:00 PM  Opening Reception

THURSDAY, FEBRUARY 18

7:45 AM - 6:00 PM  Registration/Check-In
8:00 AM - 7:15 PM  Display Tables Available for Premier Sponsors
8:00 AM  Continental Breakfast
8:15 AM - 8:30 AM  Committee Chair Meeting
8:30 AM - 9:00 AM  Welcome
9:00 AM - 10:05 AM  Re-Refined Lubricant Working Group
9:00 AM - 10:05 AM  Guiding Principles Committee
10:05 AM - 10:45 AM  Break
10:45 AM - 11:45 AM  Wastewater Working Group
10:45 AM - 11:45 AM  Distilled Fuels Working Group
11:45 AM - 1:30 PM  Lunch Presentation: Oil Recycling Market Insight
1:30 PM - 2:00 PM  Government Affairs Subcommittee on Research
1:30 PM - 2:00 PM  Parts Cleaning Council
2:00 PM - 3:00 PM  Antifreeze Working Group
2:00 PM - 3:00 PM  Conference Committee/Membership and Marketing Committee
3:00 PM - 3:40 PM  Break
3:40 PM - 5:40 PM  Used Oil Recycling Council (including the Filter Working Group and Government Affairs Committee)
5:45 PM - 7:15 PM  NORA Happy Hour Reception

FRIDAY, FEBRUARY 19

8:00 AM - 9:00 AM  Past Presidents Committee
9:00 AM - 12:30 PM  Board of Directors Meeting
San Antonio, Texas | February 17-19, 2016

2016 NORA WINTER MEETING AND EH&S FORUM REGISTRATION

Complete one form for each person. Online registration available at www.noranews.org > Events

Contact Info

Name ___________________________________________ Badge First Name ___________________________________________

Company ___________________________________________

Address ___________________________________________ City ___________________________________________ State __________ Zip __________

Phone ___________________________________________ Email ___________________________________________

Registration

EVENT
Winter Meeting Only
EH&S Forum Only
Winter Meeting + EH&S Forum

MEMBER PRICE
☐ $235/person
☐ $149/person
☐ $359/person

NON-MEMBER PRICE
☐ $900/person
☐ $500/person
☐ $1400/person

Is this your first time attending a NORA Meeting?
☐ Yes ☐ No

SPONSORSHIPS
☐ Opening Reception ☐ Lanyard Sponsor*
☐ Key Card Sponsor*
☐ A/V Sponsor *
☐ Notebook Sponsor *
☐ Premier Sponsor

Includes 6' table top display on Thurs. 2/18/16

☐ Lunch Sponsor $700
☐ Happy Hour Sponsor $625
☐ Charging Station Sponsor $550
☐ EH&S Sponsor $500
☐ Breakfast Sponsor $250
☐ Candy Bowl Sponsor $175

EVENT BOOK ADVERTISING
☐ Back Cover Full Page Ad* $1100
☐ Inside Front Cover Full Page Color Ad* $750
☐ Inside Back Cover Full Page Color Ad * $725
☐ Full Page Color Ad $575
☐ Full Page B&W Ad $390
☐ Half Page Color Ad $390
☐ Half Page B&W Ad $225
☐ 1/3 Page Horizontal Color Ad $315
☐ 1/3 Page Horizontal B&W Ad $225
☐ Color Logo in Company Index $150

* Only one available. The lottery will be held on January 13, 2016

Payment Options

Total Amount Due $ ________________

☐ Check (payable to NORA) ☐ American Express ☐ Visa ☐ MasterCard

If registering multiple attendees, payment info only needed on one form.
All payments are in US Dollars, drawn on US Bank.

Name on Card ___________________________________________ Signature ___________________________________________

Card Number Exp. Date Security Code

Billing Street Number & Zip (if different than above) Email to send receipt (if different than above)

Submit Your Registration

Credit Card Only: Email casey@noranews.org or fax 703-753-2445
Check or Credit Card: Mail to 7250 Heritage Village Plaza, Suite 201
Questions: Gainesville, VA 20155
Call 703-753-4277 or email casey@noranews.org

Book Your Hotel Room Now

Hyatt Regency San Antonio
Room Rate: $209 single/double
Call 1-888-421-1442, ask for NORA rate or go to www.noranews.org > Events by Jan. 26, 2016 to book at the discounted rate though rooms may sell out early.
Gain exposure for your company at this premier event in the liquid recycling industry. All members, even those not attending the meeting, may sponsor and advertise. For just a small contribution, you can support your industry and promote your business. All sponsors will be thanked on the NORA website with a link to your company’s website, in Liquid Recycling magazine which is distributed to 2,000 industry leaders, and in the committee book which is distributed at the event and posted on the NORA website, and on signage at the event. Contact casey@noranews.org with any questions.

**Lanyard Sponsor**  
Only one available  
$1300  
Your company logo will be printed on the lanyard handed to all attendees. Offered via lottery.

**Key Card Sponsor**  
Only one available  
$1300  
Your company logo and message will be printed on all room key cards given to attendees staying at The Grand Hyatt Hotel in San Antonio. Offered via lottery.

**Notebook Sponsor**  
Only one available  
$1200  
Your logo will be on the notebook placed at each seat at the beginning of the Winter Meeting on Wednesday, February 17. Offered via lottery.

**Audio/Visual Sponsor**  
Only one available  
$1000  
Your logo will be prominently displayed when the ‘splash screen’ is displayed in the main meeting room on Thursday, February 18. This also includes a full page black and white or half page color ad printed in the committee book. Offered via lottery.

**Premier Sponsor**  
$750  
Premier sponsors have the opportunity to use a 6’ table near the NORA registration desk to display company information and literature for the duration of the meetings on Thursday, February 18 and are allowed up to 60 seconds to address the entire group at the beginning of the meeting on Thursday. Your company logo will be printed on the front cover of the committee book, and on a large sign inside the meeting room. This also includes a full page black and white ad printed in the committee book ($390 value). Please note that meeting space allows for materials to be displayed only on a 6’ table. Tables are assigned on a first-come first-served basis on the day of the event.

**Lunch Sponsor**  
$700  
Your company logo will be prominently displayed during lunch on Thursday, February 18. Your company logo will appear on all Winter Meeting agendas. You may address the entire group before lunch for up to 60 seconds. Only six available.

**Happy Hour Sponsor**  
$625  
Your company logo will be prominently displayed during happy hour on Thursday, February 18. Your company logo will be printed on each drink ticket. Your company will receive extra drink tickets for the event. Your company logo will appear on all Winter Meeting agendas.

**Charging Station Sponsor**  
$550  
Your company logo will be prominently displayed near a charging station near the NORA registration desk to supply power for mobile devices.

**EH&S Sponsor**  
$500  
Your company logo will be displayed on signage inside the EH&S Forum meeting room on Wednesday, February 17. Your company logo will appear on all the EH&S Forum schedules in the EH&S book. This also includes a half page black and white ad in the EH&S printed materials.

**Breakfast Sponsor**  
$250  
Your company logo will be displayed during breakfast on Thursday, February 18. Your company logo will appear on all Winter Meeting schedules.

**Candy Bowl Sponsor**  
$175  
Your company logo will be displayed next to the candy bowl at registration on Wednesday, February 17 and on Thursday, February 18.

---

**CONFERENCE BOOK ADVERTISING**

<table>
<thead>
<tr>
<th>Ad Type</th>
<th>Cost</th>
</tr>
</thead>
<tbody>
<tr>
<td>Back Cover Ad*</td>
<td>$1,100</td>
</tr>
<tr>
<td>Inside Front Cover Ad*</td>
<td>$750</td>
</tr>
<tr>
<td>Inside Back Cover Ad*</td>
<td>$725</td>
</tr>
<tr>
<td>Full Page Color Ad</td>
<td>$575</td>
</tr>
<tr>
<td>Full Page Black and White Ad</td>
<td>$390</td>
</tr>
<tr>
<td>Half Page Color Ad</td>
<td>$390</td>
</tr>
<tr>
<td>Half Page Black and White Ad</td>
<td>$225</td>
</tr>
<tr>
<td>1/3 Page Horizontal Color Ad</td>
<td>$315</td>
</tr>
<tr>
<td>1/3 Page Horizontal Black &amp; White Ad</td>
<td>$200</td>
</tr>
<tr>
<td>Color Logo by Company Index</td>
<td>$150</td>
</tr>
</tbody>
</table>

* These items are offered via lottery. Email casey@noranews.org by January 13 to enter the lottery.
PERMANENT FILTRATION—
Self-Cleaning Filter for the Petroleum Industry-Refining & Recycling

Where used
- Oil Recycling
- Petrochemical Processing
- Trucks - DC Motor

Advantages
- Eliminate Filter Bags
- Improve Product Reliability
- Protect Downstream Equipment
- Eliminate Spillage & Resulting Waste & Environmental Liability
- Minimize Disposal & Other Environmental Costs
- Reduce Labor Costs

Features
- Constant Cleaning
- Back-flushable
- 316 Stainless Steel
- Filter as small as 25 micron or as large as customer requires
- Flow rates to 1500 gal/min
- Pressures to 400psi
- Temperatures to 400°F+

Spencer Strainer Systems
6205 Gheens Mill Road
Jeffersonville, Indiana 47130
www.spencerstrainer.com
P: 1-800-801-4977
Fax: 812-282-7272
By: Chris Harris, NORA General Counsel

President Obama signed into law a five-year, $305 billion highway bill on December 4, 2015, with just hours before the scheduled expiration of the nation’s road and transit spending.

Funding had been set to expire at midnight.

The legislation, which was passed 83 to 16 by the Senate and 359 to 65 in the House, will be paid for with gas tax revenue and a package of $70 billion in offsets from other areas of the federal budget. This legislation is the first long-term national transportation spending package in more than a decade. Ending the pattern of short-term stopgap funding fixes has been a priority this year for both the Obama Administration and Congressional leaders of both parties.

While still massive, the final version of the legislation is more modest than the six-year, $478 billion proposal President Obama sent to Congress earlier this year. The largest component of the bill’s contracting authority is $281 billion over five years for the Highway Trust Fund for roads, bridges, mass transit and other programs. It also includes more than $12.2 billion for capital investment grants, $10.36 billion for freight and rail-related projects, $980 million for National Highway Traffic Safety Administration vehicle safety provisions and hundreds of millions of dollars for other projects or agencies, including emergency preparedness.

The highway funding portion of this legislation is of greatest interest to NORA members and asphalt pavement contractors who have been frustrated by the federal government’s failure to provide long-term certainty to the future of highway construction.

The new law, called the Fixing America’s Surface Transportation Act, or the FAST Act, formally reauthorizes the collection of the 18.4 cents per gallon gas tax that is typically used to pay for transportation projects, and also includes $70 billion in “pay-fors” to close a $16 billion deficit in annual transportation funding that has developed as American cars have become more fuel-efficient.

The gas tax has been the traditional source for transportation funding since its inception in the 1930s, but lawmakers have resisted increasing the amount that drivers pay. The federal government typically spends about $50 billion per year on transportation projects; the gas tax only brings in $34 billion annually.
The bill would raise other revenue by authorizing the sale of an estimated 66 million barrels of crude oil from the Strategic Petroleum Reserve, to raise $6.2 billion. Other aspects of the bill reflect several regional victories. It would keep in place a program that distributes shares of mass-transit funding for seven high-density Northeast states, including New York and New Jersey, which the earlier House version would have eliminated. It also would separate budgeting for Amtrak’s Northeast corridor from the rest of the passenger-rail network.

The new law also amends a Department of Transportation rule targeting tank car safety in the United States. Unlike the DOT rule promulgated earlier this year, the new provision would require all tank cars to be upgraded “regardless of train composition” – eliminating an exception for shippers that linked 19 or fewer of those cars together.
“Our market environment is changing more rapidly today than ever in the history of this industry. To manage a business well, it’s critical to be aware of all the current trends that affect this industry and your business. In the matter of just a few days, you can gain the knowledge that you need in order to effectively plan for your business going forward. Whether you affirm what you already know or gain new insights, the NORA Conference is the one place that you can efficiently validate your assumptions to plan for the future. Also, in your constant search for new customers, suppliers and markets, NORA is the place where you can actually meet people that may become your future customers or suppliers. Lastly, NORA’s trade show creates a great environment to learn about new technologies and products. The more you put into NORA, the more you’ll get out of it. It’s extremely worthwhile and a great value for a relatively low cost.”

-Roy Schumacher, Schumacher Consulting LLC
The 2015 NORA Conference & Trade Show was held in Orlando, Florida from November 11-14. Over 355 industry leaders were in attendance at the event that featured 57 exhibitors and 11 educational sessions, plus a keynote presentation given by Coach Lou Holtz.

Additional photos and Conference presentations are now available online for NORA members at www.noranews.org > News & Resources > Photos
THANK YOU
2015 CONFERENCE & TRADE SHOW SPONSORS!

PREMIER

Crystal Clean

KEY CARD

LUB LINE
Lubricants & Additives

LANYARD

CleanHarbors / safety-kleen
A Clean Harbors Company

AUDIO/VISUAL

Pesco-Beam
Environmental Solutions, Inc.

WATER BOTTLE

Lubrizol

NOTEBOOK

FOUNTAIN INDUSTRIES, LLC
THANK YOU

2015 CONFERENCE & TRADE SHOW SPONSORS!
The man who revitalized the Notre Dame football program by leading the Fighting Irish to a national championship, shared his message about people and values contributing to successful relationships and organizations to this year’s conference attendees.

One of the most celebrated and accomplished coaches in sports history, Holtz has made a career of inspiring his players—and others—and motivating them to be winners. Upon inheriting the Notre Dame team in November of 1985, Holtz brought with him a well-proven reputation as a fixer of football programs following a series of spectacular repair jobs and William & Mary, North Carolina State, Arkansas and Minnesota. He needed only two years to put the Fighting Irish back into a major post-season bowl game for the first time in seven seasons.

In his eleven seasons at Notre Dame, Holtz amassed more victories than the number accumulated by Parseghian, Rockne, or Leahy in their first eleven years on the job. Holtz is the 2008 recipient of the Notre Dame Monogram Club’s highest honor, the Moose Krause Distinguished Service Award.

After his departure from Notre Dame following the 1996 season, he joined CBS Sports’s College Football Today for two seasons as a sports analyst. From there he went on to be head coach at the University of South Carolina for six seasons from 1999-2004 where he led the Gamecocks to back-to-back January 1 bowl games for the first time in the history of the school.
VTAE: Update on NORA’s Effort to Protect This Market
John D’Angelo, Ph. D, Safety-Kleen, a Clean Harbors Company

Some people call it asphalt flux. Others call it re-refined engine bottoms (REOB). NORA calls it Vacuum Tower Asphalt Extender (VTAE). Over the past 18 months, many states have moved to ban or limit the use of this material produced by re-refiners and advanced processors of used oil. This session taught members about NORA’s effort to promote a healthy and expanding market for VTAE products.

Optimization of Above Ground Storage Tanks (AST)
Mike Murray, ATEK Access Technologies

There are over 18 million ASTs in the US alone, many of which are used by the oil recycling industry. Regulatory and compliance standards are beginning to increase in this area. This interactive session addressed AST compliance regulations, safety regulations, inventory management practices and available technologies. A case study featuring a NORA member was also presented to explore real life solutions.

Technology Selection as a Final Step in Re-Refining Process
Nirav Shaw, Porocel Industries

Re-refineries range in sizes from small-scale skid mounted units to multi-million gallons per year production facilities. No matter the size, they require several stages of processing including a final polishing stage to meet their desired specifications. Most large-scale re-refineries operate hydrotreaters to produce high quality group II and III base oils, but small to medium scale operators use skid mounted filtration/polishing units using activated bauxite or Fuller’s earth (clay). This session explored Rocket Technology®, which is an activated bauxite based polishing system, and optimized adsorbent media.

Government Affairs Executive Summary
Chris Harris, Harris Law Office and Jack Waggener, AECOM

2016 has been a very active government affairs year. The current and future health of the industry the responsibly recycles used oil and related materials in largely dependent on the regulatory environment. This session provided a high level view of the major government affairs projects NORA has addressed in 2016 and how they effect your business.
**TSCA Reform Update: NORA & EPA Working together to Solve the PCB Problem**

Steve Shimberg, SJSolutions PLLC

NORA members continue to grapple with the problem of PCBs showing up in used oil and wastewater. Despite the safeguards and procedures that most members have in place to protect against this, stuff happens. And when it does, current EPA rules and regulations force us into an unnecessary, wasteful and costly nightmare. This session discussed the great progress NORA and EPA have made in 2016 to provide relief to NORA members.

**Oil Markets Tanking, Now What?**

Dr. Loren Scott

Just recently, the overall oil market has sunk to new lows not seen since 2009. Dr. Scott informed attendees what they believe the market will look like in the next three, six and twelve months so members can best prepare their companies to succeed.

**ObamaCare: What businesses need to know now**

Sarah L. Fowles, Quarles & Brady LLP

Mandates. Tax credits. Reimbursement plans. The Affordable Care Act is just over five years old and many of the provisions are just starting to hit the business community. This presentation tells what you need to know now to protect your business and provide your employees affordable coverage.

**Cracking: An Old Idea Applied to Used Oil**

Louis Bertrand and Lucie Wheeler, Sweet Gazoil Inc.

Refineries have moved to include more and more cracking technologies to provide them with more flexibility and profitability especially in the US. This has had an impact on the price of residual and used oil. The same type of technology could be used to complement the distillation and hydrotreating operations for used oil processors. Like refineries, it can improve their flexibility and profitability while at the same time be better for the environment.

**Social Media: Opportunity and Threats for NORA Members**

Michael Harvey, Munsch Hardt Kopf & Harr, P.C.

YouTube. Twitter. Instagram. Until now, you may have thought these were better left to the teenagers. Today, businesses are beginning to utilize LinkedIn and many of the other services to promote and grow their business. There are also risks about employees sharing company information through these non-traditional channels; especially as younger employees who grew up with social media enter the workforce. This session will bring you up to speed on how to positively utilize social media to grow your business and strategies to minimize the risk to your company.

**Safety Issues Involving Oil Shipments by Rail**

Chris Harris, Harris Law Office and Jack Waggener, AECOM

NORA professionals will offer a comprehensive presentation on safety issues involving oil shipments by rail and inform you of pending legislation and regulations. Such legislation and regulations would affect shipments of used oil by rail.
Integrated Insurance Programs for the Recycling Industry

XL Group and Catlin Group are now one. We are XL Catlin! From insurance to reinsurance, a changing world needs new answers. We’re here to find them. With an incredible blend of people, products, services and technology, we have the power to find innovative, creative solutions to your risks – from the most familiar to the most complex.

For more than 20 years, XL Catlin’s Environmental team has been providing integrated insurance solutions that include
• Property & Casualty coverage
• Pollution coverage, tailored to customer needs
• Specialized risk control and claims management services

MAKE YOUR WORLD GO

For more information, please contact
Matt Gartner
AVP, Environmental
Toll-free: +1 800 327 1414
Direct: +1 610 968 9294
matthew.gartner@xlcatlin.com

505 Eagleview Boulevard, Suite 100
Exton, PA 19341-0636
xlgroup.com/insurance/environmental


XL Catlin and MAKE YOUR WORLD GO are trademarks of XL Group plc companies.
2015 Closing Party
Brought to you by:

LUB\LINE
Lubricants & Additives

CleanHarbors / safety-kleen®
A Clean Harbors Company

Valicor®
LEVEL TWO SPONSORS

InTerraChem
DeMenno/Kerdoon
Recycling for a Cleaner Environment

XL CATLIN

LEVEL THREE SPONSORS

LEVEL FOUR SPONSORS
“You will become part of a knowledgeable, accessible group of businessmen who are ready to share their expertise.”
-Guillermo Silva, Olein Recovery Corporation
The 2016 Membership Directory will be printed in early 2016 and mailed out to over 1,000 contacts in NORA member companies. It is the most comprehensive directory in the liquid recycling industry. The directory is also available for purchase by non-members.

This publication is a full-color professionally produced directory with detailed contact information for each member company and its personnel.

Liquid Recycling is NORA’s official full-color publication. It is printed four times a year and is the only publication being mailed to all known companies—over 2,000 industry leaders—in every sector of the liquid recycling industry.

2016 Magazine Topics:

Issue 1: “Wastewater”
Issue 2: “Parts Cleaning”
Issue 3: “Pre-Conference”
Issue 4: “Lab/Testing”

The 2016 Media Kit is now available online to download from noranews.org.

This kit includes everything you need to know about advertising opportunities with NORA, both digital and print.
In the late 1950s all three of the major American automakers decided the time had come for a smaller than full sized car to be offered. Chrysler’s offering was the Plymouth Valiant while General Motors introduced the air cooled, rear-engine Corvair. Ford produced the Falcon which came in many different forms.

Ford motor vehicles have appealed to Tom Andrews ever since he acquired his first one in Youngstown, Ohio, a 1966 Fairlane model. He drove that first Ford five years before moving on.

In 2011 Andrews was living in Indian Harbor Beach on the east coast of Florida. It was there that he learned of a 1964 Ford Falcon Sprint convertible coupe that was for sale further south in Florida.

With encouragement from his wife Debbie, they set out to investigate. The Ford turned out to be every bit as good as it had been advertised. Andrews bought the Falcon in July 2011 and drove it the 220 miles home.

Beneath the sculptured hood is a 260-cubic-inch V-8 engine that delivers 164 horsepower to the rear drive wheels.

To be on the cautious side Andrews installed new gaskets, belts and a gas line. With safety in mind Andrews also upgraded the front brakes with disc versions.

Incomplete records that came with the car indicate that it was sold new from a dealership in Kentucky. Years later it was reported in Pennsylvania prior to going to Florida.

When new the base price of the 3,008-pound car was $2,671.

The Guardsman Blue finish is accented with an abundance of shiny trim that Ford stylists lavishly spread about the convertible.

For a smaller than a full-sized car at the time the interior of the Falcon Sprint convertible is surprisingly spacious.

The interior is upholstered in a two-tone blue vinyl with turquoise carpeting. Hidden under the matching blue boot behind the back seat is the black convertible top. Andrews says it is rarely in the raised position.

Visibility with the top raised is very good but with the top lowered the visibility is spectacular. A pair of exterior mirrors assist the driver in the view to the rear.

Andrews’ Falcon is not overly loaded with extra cost optional equipment but it does have everything to make for pleasant motoring including a two-speed automatic transmission as well as a factory installed air conditioner.

The 109.5-inch wheelbase provides an unexpectedly cushy ride.

Only 13,220 of these desirable Falcon Sprint convertibles were manufactured.

Besides competing for customers with Valiant and Corvair there was a new competitor in 1964, this one from Ford—the Mustang.

Andrews thoroughly enjoys top-down cruising in his rare Falcon Sprint convertible in the Florida sunshine.
### WELCOME NORA’S NEWEST MEMBERS

<table>
<thead>
<tr>
<th>COMPANY</th>
<th>CONTACT</th>
<th>LOCATION</th>
<th>PHONE</th>
</tr>
</thead>
<tbody>
<tr>
<td>A-Line TDS</td>
<td>Benjamin Stroh</td>
<td>Tonkawa, Oklahoma</td>
<td>(580) 628-5371</td>
</tr>
<tr>
<td>ACEUNICO, Inc</td>
<td>David Trapprey</td>
<td>New Iberia, Louisiana</td>
<td>(281) 359-2340</td>
</tr>
<tr>
<td>Albermarle Corporation</td>
<td>Aaron Williams</td>
<td>Baton Rouge, Louisiana</td>
<td>(225) 388-8011</td>
</tr>
<tr>
<td>Bob Goldberg</td>
<td>Bob Goldberg</td>
<td>Colleyville, Texas</td>
<td>(241) 587-0186</td>
</tr>
<tr>
<td>Boerger, LLC</td>
<td>Megan James</td>
<td>Chanhassen, Minnesota</td>
<td>(612) 435-7300</td>
</tr>
<tr>
<td>C &amp; D Oil Services of Waseca</td>
<td>Robin Bluhm</td>
<td>Waseca, Minnesota</td>
<td>(507)835-3127</td>
</tr>
<tr>
<td>Engine &amp; Accessory, Inc.</td>
<td>Craig Smith</td>
<td>Miami, Florida</td>
<td>(305) 573-2268</td>
</tr>
<tr>
<td>Enviro-Cool, LLC</td>
<td>Mike Adams</td>
<td>Norcross, Georgia</td>
<td>(770) 409-8909</td>
</tr>
<tr>
<td>Eurecat US</td>
<td>Tim Capbell</td>
<td>Houston, Texas</td>
<td>(832) 284-0609</td>
</tr>
<tr>
<td>Ironshore Environmental</td>
<td>Mark Hayes</td>
<td>Chicago, Illinois</td>
<td>(312) 237-3485</td>
</tr>
<tr>
<td>Justin Davis Logistics</td>
<td>Justin Davis</td>
<td>Madison, Florida</td>
<td>(850) 973-6648</td>
</tr>
<tr>
<td>Rodolfo Moreno y Compania</td>
<td>Jorge Sierra Montero</td>
<td>Panama City, Panama</td>
<td></td>
</tr>
<tr>
<td>Safe &amp; Clean Oil Recycle Sdn Bhd</td>
<td>Ying Hao Chen</td>
<td>Labuan, Malaysia</td>
<td>(+60) 172205152</td>
</tr>
<tr>
<td>SpillTech</td>
<td>Robin Thornett</td>
<td>Mobile, Alabama</td>
<td>(800) 228-3877</td>
</tr>
<tr>
<td>TCI Services</td>
<td>James Gibson</td>
<td>Tulsa, Oklahoma</td>
<td>(903) 987-2912</td>
</tr>
</tbody>
</table>

The place for route driven, bulk delivery & pick-up service.

**ANTIFREEZE, WINDSHIELD WASH, USED ANTIFREEZE, HEAT TRANSFER FLUIDS**

**PRODUCTS PLUS INCORPORATED**

Call today for premium fluids and premium customer service:

877.581.3755

or visit us at: www.ppicoolant.com
INDUSTRY CALENDAR

2016 NAPA ANNUAL MEETING
February 7-10, 2016
La Quinta, California
www.asphaltpavement.org

2016 NORA EH&S FORUM
February 17, 2016
San Antonio, Texas
www.noranews.org > Events

2016 NORA WINTER MEETING
February 17-19, 2016
San Antonio, Texas
www.noranews.org > Events

2016 NORA MID-YEAR MEETING
June 27-29, 2016
Boston, Massachusetts
www.noranews.org > Events

2016 NORA CONFERENCE & TRADE SHOW
November 9-12, 2016
Kohala Coast, Hawaii
www.noranews.org > Events

For over 30 years, Tradebe has focused on providing our clients the highest quality sustainable waste management services, using the most advanced technologies. During 2013, we managed more than 2 million tons of waste, recycling more than 60% of that waste into beneficial products and substitute fuels.

Tradebe is a Proud Sponsor of NORA
How is your company connected to the industry?
How/why was the company established?

Summit Environmental Technologies (Summit Labs) provides third party lab analysis for used oil collectors, used oil processors and re-refineries. We have been actively involved with NORA and NORA members over the past 15 years, and we have been an active participant in NORA studies concerning the EPA components of used oil testing.

What products/services does your company provide?

Summit Labs provides ASTM and EPA lab analysis for both the Environmental and qualitative components of used oil; and is also a qualified full service Environmental laboratory. We are NELAC, ISO, A2LA and DOD certified, and certified in individual states where required.

What value do you find in NORA membership to expand your business opportunities?

NORA membership has ensured that Summit Labs remains connected with and adds to the client base, but as importantly it has allowed us to be on the cutting edge of the ever-changing testing requirements of the industry. Used Oil is a niche industry and NORA and its members represent this industry in both North America and globally.
The products we trade are as varied as our clients. We source and supply products both foreign and domestically, under spot and long-term agreements. Contact us today and see how we can help you.

For more information contact us at 877.521.1777
2211 Norfolk, Suite 910 Houston, TX 77098
Phone 713.521.1777 Fax 713.521.1787

info@cradonenergy.com www.cradonenergy.com
What are the most important features a member should look for in a lab partner?

**Quality:** Is your lab truly qualified and experienced in the complexities of the used oil matrix?

**Sample Turnaround:** Is your lab capable of providing consistent expedited turnarounds?

**Service:** Does your lab respond to questions concerning analyses, turnarounds, etc. and in a timely manner?

**Value:** Is your lab an asset to your bottom line?

**Commitment to the Used Oil Industry:** Is your lab actively involved in the Used Oil Industry, are they members of NORA?

What are the biggest changes you see happening in the lab industry over the next 5 years?

**Environmental Compliance:** Although the federal EPA compliance regulations for used oil have remained virtually unchanged for the past two decades (except for the addition of the Rebuttable Presumption for Halogens), a growing number of state EPA departments will continue to add Sulfur, Ash and additional metals to the federal list. More states will require certified third party lab analysis.

**Test Methods:** Test Methods will continue to evolve.

**Product Testing:** As technologies in used oil processing emerge, so will the testing requirements for both feedstock and finished products.
Vertex Energy is a leader in the collection, aggregation, recycling and processing of distressed hydrocarbon streams thereby reducing America’s reliance on foreign oil.

Our focus is on creating value through a variety of strategies and technologies that facilitate the re-refining of used oil and off specification commercial chemical products into higher value commodities.

Contact us at:

866-660-8156

Stock ticker – VTNR

Member Since 2001
Accurate Energy
paul@accurate-energy.com
(302) 947-9560
Accurate-Energy specializes in providing recycled fuel oil products, environmental services, and creative market approaches for customers who require exceptional service and value.

ACEUNICO, Inc
dtrappey@aceunico.com
(281) 3592340
Uniforms/Award Programs

AECOM Corporation
Jack.Waggener@aecom.com
(615) 771-2480
URS/AECOM Corporation is a full service engineering design firm. Services include environmental engineering consultant-water, air, solid waste, used oil.

Air Products & Chemicals
lebrectd@airproducts.com
(610) 481-8388
Air Products is the global leader in hydrogen production and services. Additionally, Air Products provides atmospheric gases such as nitrogen, oxygen, & argon, and technology to enable customers to become more productive, energy efficient and sustainable.

Albemarle Corporation
aaron.williams@albemarle.com
(225) 3888011
HPC and FCC catalysts

Amchem Inc.
craig@amcheminc.com
(903) 236-0138
Chemical Distribution

American Testing Technologies
stacyl@americanestingtechnologies.com
(877) 634-9906
We provide a full range of analytical services to petroleum suppliers and users. With over 25 years experience, we offer the highest quality testing of oils, fuels, biofuels, waters, waste, and hazardous waste. Most tests are completed within 24 hours.

Argus Media
chloe.bazille@argusmedia.com
(713) 429-6343
Argus Base Oils provides weekly base oils spot prices, posted prices, and market analysis for all the key markets globally as well as valuable price analytics information on base oil premiums to VGO, crude, and gasoil.

ATEK Access Technologies
mmurray@atekcompanies.com
(763) 553-7700
TankScan is a technology leader in wireless level monitoring solutions for light industrial liquid tanks. TankScan data is used to optimize delivery routes, enhance customer service, and provide global inventory management.

Automotive Fluid Recycling, LLC
rustyp@autofluidrecycling.com
(904) 222-1174
Reclamation of auto fluids to Include oil, Gasoline, and Antifreeze

Baheth Research & Dev Labs, Ltd
m.a.baaheth@baahethresearch.com
(251) 345-1060
Scientific Research/Chemical Analytical Testing

BASE Engineering Inc.
a.hale@baseng.com
(506) 635-2280
Radio Remote Controls for Industrial Tanks.

Bedford Industries, Inc
david@bedfordindustries.com
(800) 848-8228
Manufacture a full line of oil filter crushers, drum crushers, and oil filter balers. On the market since 1989, the OBERG Filter Crusher has stood the test of time.

Blend Tech, Inc
kughn@blendtech.biz
(888) 869-4827
Antifreeze inhibitor sales, chemical sales, antifreeze fortifiers, technical support, laboratory testing and analysis. Seminar training for fluids, including antifreeze. Antifreeze recycling consulting.

Boerger, LLC
mja@boerger.com
(612) 435-7300
Boerger specializes in reliable and cost effective Rotary Lobe Pumps and Macerating Technology for the conveyance of low to high viscous and abrasive materials.
Bright Technologies a Division of Sebright Products, Inc.
alex@sebrightproducts.com
(800) 253-0532
Bright Technologies a division of Sebright Products, Inc., manufactures Oil Filter recycling equipment along with other recycling equipment for dewatering and solidification of wet materials such as belt filter presses, conveyors, extruders, densifiers.

Brown Gibbons Lang & Company, LLC
ekaplan@bglco.com
(216) 920-6634
Investment Banking Firm

Brown Industrial Inc
Craig@brownindustrial.com
(937) 693-3838
Technology leading custom designers & manufacturers of trailers & truck bodies for the rendering, oil filter recovery & recycling industries.

Build-All Corporation
rberg@build-all.com
(800) 558-2148
Manufacturer of parts washers and degreasing equipment.

Cambridge Risk Management
rmangiapane@gmail.com
(734) 341-7245
Environmental Strategist

Catalyst Trading Co, LTD
rgarcia@resalecatalyst.com
(713) 926-6078
Hydrotreating Fresh Catalyst, Regen Catalyst, Pre-Sulfided Catalyst, Silica & Phosphorus materials, Reactor toppings, Ceramic support products, screening, recycled ceramic support, High Alumina support, re-packaging, and acquisition of spent catalysts.

ChemChamp North America Corp.
alex.richert@chemchamp.com
(613) 594-3337
Recycling parts cleaner, attachable recyclers to solvent recyclers and paint gun cleaning equipment.

RADIANT
Chemicals

A GREEN Approach to the Management of Spent Solvents

www.radianchemicals.com
281.883.4389
Continental Refining Company now accepts transmix. Transmix is produced when refined petroleum products gasoline and diesel are mixed together. Once these refined products are combined the combination no longer meets the approved refined fuel guidelines, this combined product cannot be used as a finished fuel. CRC has developed a processing unit that refines transmix back into gasoline and diesel. CRC is able to recycle fuel and offer wholesalers, jobbers and environmental companies a solution for their mixed fuel problems.

CRC is capable of processing up to 5,500 barrels per day refined products.

Transmix is accepted in the facility Monday thru Friday 8 AM until 3 PM. Each load of transmix brought into the facility is tested for CRC fuel specification guidelines.
Dolphin

Dolphin Centrifuge
sales@dolphincentrifuge.com
(248) 522-2573
Dolphin Centrifuge specializes in Centrifuge based Oil Recovery Systems. Our systems are primarily built around New & Reconditioned Alfa Laval Centrifuges. Complete modules include Hi-Speed Disc Centrifuges, Automatic PLC Controls, Feed Pumps, Heaters etc.

Ecosorb International Inc.
lsvoboda@ecosorb.com
(713) 413-1173
Environmentally Friendly Absorbents

Emulsions Control Inc
drsam.delchad@emulsionsonline.com
(619) 656-8899
Demulsifiers for waste oil and antifreeze, clarifiers for oily wastewater, polymers, consulting/training services.

EnergyLogic
dnewburry@energyllogic.com
(615) 471-5221
EnergyLogic manufactures and sells used oil furnaces and boilers, less than 500,000 Btu/hour in size.

Enevo, Inc.
julie.vairo@enevo.com
(617) 784-5686
Enevo provides innovative fill level monitoring and reporting solutions; complete end-to-end services that are easy and enjoyable to use, while saving money, grey hairs and CO₂.

Engine & Accessory, Inc.
rcs@rampstar.com
(305) 573-2268
Waste Oil Trucks/Vacuum Trucks
Environmental Resource Associates
eragorte@comcast.net
(508) 428-6282
Exclusive representative of Oil Eater Cleaner Degreaser and full line of Absorbent Products including our new line of Natural Absor-bents for NORA members. Products include: degreasers, cleansers, truck wash, aqueous parts washers, absorbent pads and more.

Fluid Solutions GmbH
k.mohme@fluid-solutions.de
(49) 40 534307-0
We are a professional engineering & plant supplier for lube oil/grease production/waste oil re-refining technology. With high standard plasma tube reactor, we offer a perfect recycling process from waste oil to base oil & elimination of PCB contamination.

Eurecat US
TCampbell@eurecat.com
(832) 284-0609
Supplier of regenerated hydrotreating cata-lyst, catalyst sulfiding/activation services, catalyst regeneration, and specialty grading.

Flottweg Separation Technology, Inc.
esweeney@flottweg.net
(203) 838-6120
Decanter, Tricanter, and Separator Centrifug-es for oil, water, solids separation.

Fountain Industries LLC
bdea@ftnlc.com
(800) 328-3594
Fountain Industries LLC is proud to be an industry leading US manufacturer with complete product coverage of aqueous and solvent type parts washers in all capacities including spray cabinets and other speciality products.

GEA Group
william.dechiara@gea.com
(281) 465-7900
Centrifuges-disc type and decanters for the purification of used oil and/or wastewater. Biodiesel-separator and decanters used in Biodiesel Process.

General Combustion Corp
mhoward@gencor.com
(407) 290-6000
Manufacturer of the HY-WAY brand thermal fluid heaters and pre-heaters for recycled oil. Jacketed piping, pumps, tanks, & burners for processing industries, terminals & recycled oil as well as other products.

Geophia, LLC
peter.gilmore54@gmail.com
(704) 502-8287
Absorption materials.

---

**Waste Oil Treatment Made Easy**

Centrifuges from GEA can clean waste oil of all types. Our decanters offer the perfect solution for oil with a solids content of up to 40%. They are available in both 2-phase and 3-phase designs for efficient oil, solids and water separation. Disk separators can be used when minimal solids are present. They can also be used downstream of our decanters when further oil polishing is required. No job is too big or too small for the range of machines we offer.

Find out how to put our equipment to work in your operation, email sales.wsus@gea.com, call, or visit us online.

GEA North America
Phone: 201-767-3900 - Toll-Free: 800-722-6622
gea.com
RESPONSIBLE OIL FILTER RECYCLING

- Licensed Used Oil Filter Transporter
- Licensed Used Oil Filter Transfer Facility
- Licensed Used Oil Filter Processor
- Used Oil Filter End User – End Use Certificate Provided

New Oil Filter Transfer Facility in Atlanta Georgia
We buy Oil Filters for recycling.

To meet all of your casting needs, US Foundry has a complete product line including:

- Manhole Rings & Covers
- Cast Iron & Steel Grating
- Municipal & Utility Castings
- Inlet Frames & Grates
- Trench Grating
- Tree Grates
- Valve Boxes
- Airport Products
- Hatches
- Aluminum & Steel Fabrication

For more information contact us at:

Brian Martin
Materials Manager
Tel: 305-885-0301  Cell: 786-402-3018
bmartin@usfoundry.com

Customer Service:
800-432-9709
sales@usfoundry.com

8351 N.W. 93 Street (DeBogory Drive) Medley, FL 33166

Scan the QR Code using your smart phone to find out more about US Foundry.
Graymills
tkucklick@graymills.com
(773) 477-4100
Parts Cleaning Manufacturers

GTI
sgephart@gti-e.com
(973) 630-0990

Houlihan Lokey
ssergeant@hl.com
(212) 497-4275
Investment bank providing range of advisory services: M&A; debt/equity financing, valuation, restructuring. Environmental Services industry deals include sale of Siemens HS to FCC Environmental, Thermo Fluids to Heckmann and Safety-Kleen to Clean Harbors.

Husky Corporation
dwieda@husky.com
(636) 825-7200
Husky Corporation® serves the lube and industrial market with BJE® oil filter crushers, tank monitors, gauges, and overfill alarms & accessories. Through enevo, we offer a web-enabled electronic liquid level measurement system via cellular technology.

Hydrodec of North America, LLC
michael.pitcher@hydrodec.com
(330) 454-8202 x102
Used transformer oil re-refiner. Hydrodec collects, manages and processes used naphthenic transformer oil up to 2000 ppm PCB content. Hydrodec offers competitive pricing for your <50 ppm and >50 ppm PCB used oil.

IHS Global Inc.
blake.eskew@ihs.com
(303) 790-0600
IHS is the leading research and consulting company to the global energy industry. IHS acquired Purvin & Gertz in November 2011, adding Purvin & Gertz’ strengths in the petroleum refining, lubricants and base oil industries.
InCon Process Systems - GIG Karasek GmbH
rscully@ips-gigk.com
(630) 305-8556
Offering 20 years experience in Used Oil distillation systems. Our clients range from fuel blenders wishing to upgrade to cleaner fuel or base oils and seek Modular Plants. Major clients upgrade to GIG Karasek Wiped Film Technology.

InTerraChem, LLC
curtis.ellis@interrachem.com
(812) 425-0989
We offer a full line of Demulsifiers, Waste Water Treatment Chemicals, Cleaners, Degreasers and Environmentally Safe Green Chemistry.

Ironshore Environmental
mark.hayes@ironshore.com
(312) 2373485
Insurance Company

J. Smith Lanier & Co.
mfox@jsmithlanier.com
(229) 883-2424
Insurance/Risk Management Services

Jaxon Filtration
james@jaxonfiltration.com
(706) 675-3996
Filtration Equipment, Media, Custom Elements

Keteca USA, Inc.
kparks@ketecausa.com
(602) 278-7789
Offers alternatives to dangerous cleaning chemicals & high performance cleaning solutions with low V.O.C. emissions. Industrial parts & pressure washing, cnc sump & machine, offshore & land production tank & vessel, rig and frac tank cleaning solutions.

KeyBanc Capital Markets, Inc.
rmacdonald@key.com
(216) 689-4445
Investment bank providing M&A and financial advisory services, debt and equity capital markets and debt.

Kline & Company, Inc.
ian.moncrieff@klinegroup.com
(973) 615-3680

Environmental Specialists Inc.

“Every Drop Counts™

• Hazardous and Non-Hazardous Waste Management Services

• Wastewater Treatment

• Aqueous & Solvent Based Parts Washing Technologies

• EPA/OSHA Compliance Services

• Complete Transportation Services

• Used Oil Processing & Fuels

• Industrial Maintenance & Vacuum Truck Services

Serving Ohio, Western Pennsylvania, Northern West Virginia and Southeast Michigan

www.esrecycling.com • Phone: 888-331-3443 • Fax: 330-746-8175

1101 Andrews Avenue • Youngstown • Ohio • 44505
LabCal Services is a full-service, independent, analytical laboratory specializing in petroleum, petrochemical, environmental, water, soil, and bio fuels. We offer a complete battery of standard test methods, from gravities to the most complex methods.

Lamb Fuels, Inc

cynthia@lambfuels.com

(678) 525-6889


LevelCon, family owned for over 30 years, offers innovative solutions for monitoring fluid levels, overfill protection, pump control and GPS tracking. Your vital data is easily accessible from our web-based portal or ported to your choice of platform.

Lone Wolf Petroleum Co

eric@lonewolfpetro.com

(217) 280-0959

Fuel Buyer

Lubrizol

bryan.gray@lubrizol.com

(812) 499-8408

Demulsifiers for used oil treatment, wastewater treatment chemicals, metal precipitants, industrial cleaners, antifreeze recycling chemicals, hydrogen sulfide & mercaptan scavengers, and consulting.
MCC Chemicals, Inc.
michael.saleeby@mccchemicals.com
(713) 360-4885
Demulsifiers, Corrosion/scale/Paraffin/Wax/Asphaltene Inhibitors, Flow Improvers, PPD, H2S/Iron Oxide/Oxygen Scavengers, Degreasers, absorbants, Drilling Fluids, Chemical Dosing Skids, Portable chemical laboratories, Produced Water Filtration Units

MemPore Environmental Technologies
alanfox@mempore.com
(844) 636 7673
Nano-filtration membrane systems for converting used oil into base stock

Mobius Logistics LLC
enh@mobiuslogistics.biz
(407) 212-9445
Our innovative software tracks every pick-up and optimizes vehicle schedules and routes to maintain safety margins to reduce spills and overflows.

Mouvex
scott.jackson@psgdover.com
(616) 248-9218
Mouvex®, part of Pump Solutions Group (PSG®) Oakbrook Terrace, IL, USA, is a global provider of pumps for the transfer of liquids. The CC20 eccentric disc pump is designed for the Used Oil Market.

MultiTherm LLC
medie@multitherm.com
(610) 408-8361
Leading supplier of Heat Transfer Fluids and System Cleaners. Within a temperature range of -15° F to 660° F, MultiTherm can successfully and economically accommodate a customer’s heating or cooling requirements.

Munsch Hardt Kopf & Harr, P.C.
mkoks@munsch.com
(713) 222-4030
Legal Services

National Chemical Supply Corp
natlchem@gmail.com
(800) 515-9938
Manufacturer of the new, EB-series of oil demulsifiers that treat oil and water at the same time.

National Petroleum Products Co.
info@nppc-qatar.com
(974) 490-3839
Processing of used oil.
Newport Steel Inc. Oil Filter Processing Equipment
newportsteel@truvista.net
(803) 789-3194
Non Shearing Oil Filter Processing Equipment

Oilmen’s Truck Tanks Inc.
jfaris@oilmens.com
(864) 573-7400
Truck mounted tanks and trailers for waste oil recovery. All major brands of trucks available. Equipment for transportation and bulk storage sites. Certified R Stama facility for wreck repair and remounts.

Owner Resource Group
msprinkle@orgroup.com
(512) 505-4119
Owner Resource Group is a private investment firm founded to bring superior outcomes to small and medium-sized businesses. We make investments that enable business owners to pursue their objectives and accelerate the growth of their companies.

Par-Kan Company
kbruner@par-kan.com
(260) 352-2141
Par-Kan offers Leakproof Steel Containers for storage of disposable oils and filters. Containers are available in various sizes with poly lids, fork pockets and caster frames.

ROUTE WARRIOR
One PAPERLESS application for all route management needs
IMPROVE performance of sales and operations
LIVE visibility into each service truck
REAL-TIME new work dispatching to any truck
1(800) 547-7082
Paratherm
ritz@paratherm.com
(610) 941-4900
Heat Transfer Fluids and System Related Engineering Services.

Partsmaster Division of NCH
curt.selby@nch.com
(972) 438-0157
Torrent from Partsmaster is the next wave in parts cleaning. Torrent is revolutionary by using water, heat and pressure to clean fast. Partsmaster provides MRO applications and solutions for industry and the military.

PESCO-BEAM Environmental
luke@pescobeam.com
(540) 206-2788
Over 18 years in quality used oil recovery. Custom designed and built, complete turnkey, skid mounted, affordable systems with clay filtration, solvent extraction and hydrotreating lube polishing options. Engineered to meet your specific product goals.

PFL
curtis@PFLPetroleum.com
(239) 390-2885
Railcar and Commodities Broker

Porocel International
pdouvry@porocel.com
(281) 469-8555
Hydrotreating Catalysts and Activated Bauxite filter media

Praxair, Inc.
walter_renz@praxair.com
(203) 837-2378
Praxair, a Fortune 250 company, is the oldest and largest industrial gases firm in North and South America. Praxair offers a complete range of products including hydrogen, nitrogen and specialty gases in cylinder quantities to world-scale onsite plants.

Precision Petroleum, Labs Inc.
DanielZPPL@att.net
(713) 680-9425
Petroleum and Environmental Testing Lab

Process Dynamics
jon.skeds@processdyn.com
(479) 527-3905
hydrotreating technology

EMAIL: info@emeraldrenews.com CALL: 888.832.3008 VISIT: EmeraldRenews.com
PRTI, Inc.
info@prti.us.com
(919) 809-5440
PRTI offers a patented system for tires pyrolysis. This system of handling tires will break down the tires into four elements; oil, carbon ash, steel and a syn-gas. The syn-gas will be used as a fuel for combustion in a generator to produce energy.

Quantum Analytics
bharris@LQA.com
(650) 312-0900
Instrument Distributor- Financial Services

Quest Resource Management Group
briand@questrmg.com
(214) 914-7369

Radchem Products, Inc.
don.vlasaty@radcheminc.com
(708) 966-4044
Chemical & Solvents

Radian Chemicals LLC
jspain@radianchemicals.com
(281) 610-6908
Management of spent solvents for beneficial reuse and/or treatment for recycle or disposition. Spent caustics, glycols, aminet, polyols, methanols, etc.

Ranger Lubricants Group, LLC
georgelisle@gmail.com
(303) 725-8580

Redragon Oil & Gas Systems International Inc.
prakash@redragon.ca
(519) 756-8890
Redragon offers turnkey solutions for oil recyclers with our Wipe Film Evaporation, Clay Polishing, Transformer Oil Regeneration, High Vacuum Degasification and PCB Dechlorination systems. Our financing options permit reduced upfront capital costs.

 THE TRADITION OF INNOVATION

Re-Refined, Redefined

Since 1929, Universal Lubricants has balanced tradition with innovation, growing to become a driving force in manufacturing and distribution, used oil collection, and base oil refining. Our company offers the key to sustainability, reliability, consistency and profitability goals with customized services. Contact us to learn more about Universal Lubricants' products and service offerings.

Call 800.444.OILS, or visit us at universallubes.com.
P.O. Box 2920, Wichita, Kansas 67201-2920

Eco Ultra and other fine products are proudly manufactured in the U.S.A. by Universal

PAGE 59
Rivore
kosta@rivore.com
(800) 248-1250
Rivore melts filters in its furnaces throughout the nation and accepts crushed oil filters by rail or truck.

RSI Logistics, Inc.
driddell@rsilogistics.com
(517) 908-3650
RSI makes rail shipping simpler, more efficient and more cost-effective. Products & Services: Rail Logistics Services, Rail Transportation Management Software, and Bulk Terminal Operations.

Schumacher Consulting, LLC
roy@oilbizconsulting.com
(602) 524-2944
Consulting Services, including strategic planning, mergers & acquisitions, market research, marketing, website development and sales training.

Scope Marketing, Inc.
steves@scopemarketinginc.com
(760) 728-6095
Scope Marketing specializes in locating buyers and sellers for a wide range of virgin, re-refined, synthetic oils and other petrochemicals.

Senn Dunn Insurance a Marsh & McLennan Agency Company
sshepherd@senndunn.com
(336) 346-1347
Senn Dunn’s Environmental Group works with large & mid-sized companies across the United States to provide: Insurance & Risk Management Solutions, Licensed Professional Geologists/Engineers on staff, Lower Total Cost of Risk, and Industry Specific Claim Advocates

Sequoia Energy & Environment
rohit.joshi@sequoia-global.com
(704) 780-1089
Vacuum distillation, hydrotreating, regenerative adsorption technologies for recycling of used lubricating oils, transformer oils, waste antifreeze/coolants and waste fuels.
Heritage-Crystal Clean is one of the fastest-growing used oil and environmental service companies in the USA. We are a long-standing member of NORA, and we actively support the following initiatives:

- Improving the regulatory framework for managing PCB's in used oil through the NORA TSCA Workgroup
- Working toward establishing an industry standard for Vacuum Tower Asphalt Extender and an official ASTM spec through the NORA VTAE Workgroup
- Representation of the used oil re-refining industry through the NORA Re-refining Council

We continue to invest in our business and expand our geographic service area and scope of services, and we are pleased to work with other NORA members to improve the standards and visibility of our industry.

Check out our website: www.crystal-clean.com or call us at 847-836-5670 for more information.
ULTRAGEN is a leader in Used Motor Oil (UMO) Processing, with 20 years of EPCM experience and over 25 projects completed on two continents. Designs can be tailored for either VGO, MGO, or Base Oil production. We have offices in North America and France. Ultragen can develop process flow diagrams, heat and material balances, plant layouts and detailed cost estimates timely and competitively. The company’s specialty is turnkey projects, including commissioning, start-up and follow-up support.

Ultragen is the exclusive world licensor of a new proven Asphalt Flux Recycling technology which will reduce the asphalt content to zero and replace this with Base Oil (VGO) and LFO products.

Your UMO and Asphalt Flux Recycling Specialists.

Services Available:
- Process Design/Detailed Engineering
- Procurement
- Construction Support/Management
- Commissioning & Start-up
- Available formats: ISBL alone, ISBL & OSBL
- Turnkey Projects
- Skid Units

Partial Client List:
Safety Kleen, Omega Refining, Evergreen Oil, DK Industries, FCC Environmental, Clean Harbors, Vertex Energy & others

Experience with the following Packages:
- Axens
- Topsoe
- Shell
- In house Catalyst Selection
- CEP
- Asphalt Flux Recycling

www.ultragen.com • UMO Manager: Steve Surveyer • 450-650-0770 • steve.surveyer@ultragen.com
The industry's most powerful parts cleaning technology. Over 50,000 units installed in 30,000 locations worldwide. Cut costs by 60%; pure solvent on-demand daily; recovers 100% pure solvent; and eliminates 100% of hazardous solvent waste.

Tank inspection, engineering, repair, construction, mechanical and service experts for above ground storage tanks and related equipment.

Chemical distributor with an emphasis on wide spec and byproduct solvents.

Ultragen is a multi-disciplinary engineering firm & UMO specialists. We are engaged in all phases of a project’s life cycle. We can develop process flow sheets, heat & material balances, plant layouts, & detailed cost estimates.

Titan Logix Corp.’s Guided Wave Radar gauges provide accurate, reliable level measurement in mobile tanks. The UsedOil-Stik is designed especially for used oil transportation. Ground level display of liquid level keeps the driver off the top of the tank.

Tank Trailer leasing and financial solutions
Trihydro Corporation
gisse@trihydro.com
(678) 320-0493
Trihydro is an engineering and environmental firm offering due diligence; air & waste-water design/ops; multi-media permitting, compliance audits; soil & groundwater assessment/remediation services to NORA member industries.

Truck Works LLC
ckaye@truckworksllc.com
(602) 233-3713 x 305
OEM manufacturer of bulk liquids and transportation equipment. Truck tanks steel, aluminum, and stainless. MC 406/407/412 code and non-code tanks. 1500 gallon to 4500 gallon capacities. New and used units available. Parts in stock.

Turn-Key Environmental
joe@tkenv.com
(815) 929-9440
Licensed Non Hazardous, Special Waste Hauler. Drum and Box disposal, Vac Trucks, Used Oil marketing, Environmental Construction Management, and Full Service Environmental Consultant.

VTA GmbH & Co., KG
bob.schavey@vta-process.de
(803) 980-2882
Wiped Film and Short Path Evaporators

Werts Welding & Tank Service, Inc.
bruce@wertswelding.com
(618) 254-6967
Transportation tanks and trucks and all related parts and equipment. Pumps, hoses, fittings and valves. Eight locations across the USA.

XL Catlin
matthew.gartner@xlcatlin.com
(800) 327-1414 ext. 9294
The environmental division of the XL Insurance companies offers integrated environmental risk management® solutions through insurance, loss control and claims management to leading businesses.

Zurich
steven.goebner@zurichna.com
(610) 727-5634
Zurich’s Environmental unit helps businesses navigate the ever-changing world of environmental risk. Zurich provides easy-to-understand environmental insurance solutions that can be customized to help meet customers’ needs for today and the future.

SERVING THE OIL PRODUCTION, REFINING, AND RE-REFINING INDUSTRIES FOR OVER 30 YEARS

• Infrastructure & Civil Site Design
• Regulatory Compliance, Permitting & Auditing
• Risk Management
• Solid Waste Management
• Surveying & Mapping
• Water & Wastewater Engineering

SOLUTIONS YOU CAN COUNT ON. PEOPLE YOU CAN TRUST.
WWW.TRIHYDRO.COM | 800-359-0251
MARK YOUR CALENDAR!

**FEBRUARY**

<table>
<thead>
<tr>
<th>S</th>
<th>M</th>
<th>T</th>
<th>W</th>
<th>T</th>
<th>F</th>
<th>S</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td>1</td>
<td>2</td>
<td>3</td>
<td>4</td>
</tr>
<tr>
<td>5</td>
<td>6</td>
<td>7</td>
<td>8</td>
<td>9</td>
<td>10</td>
<td>11</td>
</tr>
<tr>
<td>12</td>
<td>13</td>
<td>14</td>
<td>15</td>
<td>16</td>
<td>17</td>
<td>18</td>
</tr>
<tr>
<td>19</td>
<td>20</td>
<td>21</td>
<td>22</td>
<td>23</td>
<td>24</td>
<td>25</td>
</tr>
<tr>
<td>26</td>
<td>27</td>
<td>28</td>
<td>29</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**2016 NORA WINTER MEETING**
February 17-19, 2016
Hyatt Regency San Antonio
San Antonio, Texas
www.noranews.org > Events

**JUNE**

<table>
<thead>
<tr>
<th>S</th>
<th>M</th>
<th>T</th>
<th>W</th>
<th>T</th>
<th>F</th>
<th>S</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td>1</td>
<td>2</td>
<td>3</td>
<td>4</td>
</tr>
<tr>
<td>5</td>
<td>6</td>
<td>7</td>
<td>8</td>
<td>9</td>
<td>10</td>
<td>11</td>
</tr>
<tr>
<td>12</td>
<td>13</td>
<td>14</td>
<td>15</td>
<td>16</td>
<td>17</td>
<td>18</td>
</tr>
<tr>
<td>19</td>
<td>20</td>
<td>21</td>
<td>22</td>
<td>23</td>
<td>24</td>
<td>25</td>
</tr>
<tr>
<td>26</td>
<td>27</td>
<td>28</td>
<td>29</td>
<td></td>
<td>30</td>
<td></td>
</tr>
</tbody>
</table>

**2016 NORA MID-YEAR MEETING**
June 27-29, 2016
Hyatt Regency Boston
Boston, Massachusetts
www.noranews.org > Events

**NOVEMBER**

<table>
<thead>
<tr>
<th>S</th>
<th>M</th>
<th>T</th>
<th>W</th>
<th>T</th>
<th>F</th>
<th>S</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td>1</td>
<td>2</td>
<td>3</td>
<td>4</td>
</tr>
<tr>
<td>5</td>
<td>6</td>
<td>7</td>
<td>8</td>
<td>9</td>
<td>10</td>
<td>11</td>
</tr>
<tr>
<td>12</td>
<td>13</td>
<td>14</td>
<td>15</td>
<td>16</td>
<td>17</td>
<td>18</td>
</tr>
<tr>
<td>19</td>
<td>20</td>
<td>21</td>
<td>22</td>
<td>23</td>
<td>24</td>
<td>25</td>
</tr>
<tr>
<td>26</td>
<td>27</td>
<td>28</td>
<td>29</td>
<td></td>
<td>30</td>
<td></td>
</tr>
</tbody>
</table>

**2016 NORA CONFERENCE & TRADE SHOW**
November 9-12, 2016
The Fairmont Orchid
Kohala Coast, Hawaii
www.noranews.org > Events
The Tools of the Trade for Used Oil Testing

Clor-D-Tect 1000®
TOTAL CHLORINE IN USED OIL
YES/NO AT 1000 PPM

Clor-D-Tect Q4000®
QUANTITATIVE TEST FOR CHLORINE IN USED OIL
RANGE: 200-4000 PPM

HydroSCOUT®
WATER IN OIL ANALYSIS

- US EPA SW-846 Method 9077
- ASTM Method D-5384
- Fast, easy to use on-site
- Results in 5 minutes

- US EPA SW-846, Method 9001
- Quantify total % water
- Range 0-100%
- Easy to use - results in 3 minutes

One Hamden Park Drive, Hamden, CT 06517
CALL 203.288.3509
WWW.DEXSIL.COM