NORA Promotes Responsible Recycling to 3000 Lube Shops

NORA’s message of promoting ‘responsible recycling’ received a big boost in early March.

From March 11-13, 2008, NORA exhibited at the Automotive Oil Change Association Convention and Fast Lube Expo. NORA provided information to the attendees about the importance of choosing a responsible recycling partner.

A list of all NORA members was distributed to those who visited the NORA booth. In addition, NORA promoted the association’s Guiding Principles. The attendees represented over 3000 quick lube shops.

NORA began building relationships with larger generators, media outlets and the major oil companies.

NORA’s Scott D. Parker stated, “This show was a fantastic opportunity for NORA to promote our industry’s environmental message. This is an integral part of NORA’s public relations campaign for members.”

NORA’s booth was underwritten by sponsorships from RS Used Oil Services, DeMenno/Kerdoon, Vertex Recovery, Safety-Kleen, Southwest Oil, World Petroleum and Heartland Petroleum.

NORA President Ben Cowart also represented the association.

NORA members who exhibited independently at the show included Emerald Services, Bedford Industries, Clean Burn, FCC Environmental, and Thermo Fluids. Additional images are on page 11.

BIG MEETING/small state
Rhode Island hosts Mid-Year Meeting

The NORA 2008 Mid-Year Meeting, being held June 18-20 at the Renaissance Providence Hotel in Providence, Rhode Island, has proven to be a popular event.

About 100 leaders from the industry will gather in New England to network and stay current on the latest issues and events affecting the liquid recycling industry.

For those not able to attend, a report on issues covered will be posted in the next newsletter. Also, the minutes and agendas from the Mid-Year meeting will be available on the NORA website in early July for members.
The following companies are associate members of NORA who provide valuable products and services to the liquid recycling industry.

Companies in **bold** have an ad in this newsletter.
Companies in **RED** have a Booth at the 2008 NORA Annual Conference.

**Accurate Energy**
302-947-9560
paul@accurate-energy.com

**Actaris**
864-377-3395
jeff.kiser@actaris.itron.com
Manufacturer of mass flow liquid measurement systems with Net Oil capabilities for the waste oil collection industry.

**AMSPEC**
713-330-1000
nebocold@aol.com

**Bedford Industries, Inc**
800-848-8228
david@bedfordindustries.com
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**
888-869-4827
kughn@aol.com
Antifreeze inhibitor sales, chemical sales, technical support, laboratory testing and analysis. Seminar Training for Fluids, including antifreeze, oils, fuels, and hydraulic. Antifreeze recycling consulting.

**Build-All Corporation**
800-558-2148
rberg@build-all.com
Mfg of parts washers & degreasing equipment.

**Castion Corporation**
800-628-7528
delasanta@castion.com
Recovery and reuse capital equipment.

**Centrifuge Services, Inc.**
281-470-9005
rayb@centrifugeservicesinc.com

**Chemical Engineering Partners**
949-757-7555
markw@evergreenoil.com
Re-refining technology.

**Chem-Tainer Industries**
603-661-8300
tlamb@chemtainer.com
Storage tanks for used oil and anti-freeze collection.

**Daniel & Henry Co**
314-444-5043
blaines@daniel-henry.com
Insurance for used oil recyclers.

**DesertMicro**
904-247-4285
jenniferw@desertmicro.net
DesertMicro provides management software for oil waste, recovery and recycled industry. PetrolManager provides detailed history, extensive billing options, container tracking, lab results, profiling, routing and dispatching.

**Dexsil Corporation**
203-288-3509
jmahon@dexsil.com
On-site test kits that are quick, easy to use and afford the user an economical advantage over time consuming and costly laboratory methods. Clor-D-Tect 1000 and Q-4000 detects chlorine contamination in used oil, and HydroClorQ detects organic Chlorine in waste-water. See our enclosed catalog.

**Dober**
630-410-7335
tweisner@dobergroup.com
Full service chemical manufacturer specializing in anti-freeze additives, oil treatment, wastewater treatment, boiler water treatment, and cooling water treatment.

**Dragon Products**
228-596-0361
gerry.gordon@modernusa.com
Manufacturer of Vacuum Trucks and Trailers, code and non-code, roll off hoists and trailers, roll off boxes and de-watering boxes, Froc Tanks, dump trailers and centrifugal pumps.

**Emulsions Control Inc**
619-656-8899
eeci-info@emulsiononline.com
Demulsifiers for waste oil, clarifiers for oily wastewat-er, polymers, consulting/training services.

**Energy Logic**
615-251-0680
rstevens@energylogic.com

**Environmental Resource Associates**
508-428-6282
eragortze@comcast.net
Broker of environmental recycling disposal and remediation services, including cleaners and degreasers.

**General Combustion Corp**
407-290-6000
mhoward@gencorp.com
Manufacturer of the HY-WAY brand thermal fluid heaters. Piping, pumps, tanks, & burners for processing industries, terminals & recycled oil. As well as other products.

**Hill Manufacturing Co.**
864-616-6849
paghill1@yahoo.com
Manuf of de-emulsifiers, water treatment chemicals, flocculants, lubricants, solvents, degreasers.

**Insurance Office of America Inc**
800-243-6899
rod.morton@ioausa.com
Member insurance program for NORA. Company representing-XL insurance, AIG, Zurich, Chubb&Sons, Crum & Forster, American Safety, and many other companies.

**Kleentec Inc**
800-435-5336
Parts washers, spray cabinets, agitation units, ultrasonic, transmission service center, Solvent+Aqueous recyclers, shop towels, spill kits, bio-remedi-ating, parts washers cleaners+chemicals, paint gun cleaners+solvent stills.

**LABCAL SERVICES INC. dba LCS**
281-474-1334
jscholes@lcs-llc.com
LabCal Services is a full-service, independent, analytical laboratory specializing in petroleum, petrochemical, environmental, water, soil, and bi-fuels. We offer a complete battery of standard test methods, from gravities to the most complex methods.
**Midwest Custom Chemicals**  
812-858-3147  
bryan.gray@weatherford.com  
Demulsifiers for waste oil treatment, wastewater treatment chemicals, metal precipitants, industrial cleaners, antifreeze recycling chemicals, antifreeze additive packages, and consulting.

**MyGeneration**  
330-376-4157  
bill@mygen.cc  

**Oilmen’s Truck Tanks Inc.**  
864-573-7400  
johnfaris@oilmens.com  

**Paratherm Corp.**  
610-941-4900  
jseybold@paratherm.com  

**Par-Kan Company**  
260-352-2141  
tsheets@par-kan.com  
Par-Kan offers Leakproof Steel Containers for storage of disposable oils and filters. Containers available with Poly Lids, Screens, Fork Pockets, or Caster frames.

**PESCO-BEAM Environmental**  
540-206-2788  
lukestaengl@mindspring.com  
Design - build used oil re-refineries.

**Poracky and Associates, Inc.**  
815-929-9440  
jporacky@Poracky.net  
Licensed Hazardous Waste and Non Hazardous, Special Waste Hauler. Drum and Box disposal, Used Oil marketing, Environmental Construction Management, Building demolition, UST/AST Services, and Full Service Environmental Consultant.

**Process Resource Group, Inc.**  
816-718-7130  
lbeuerge@kc.rr.com  
PRG provides consulting services to the Oil Recovery industry. It has developed and markets the Onion Truck Ticketing system. PRG can provide a complete installation to make Oil Recovery companies more efficient through the use of hand-held computers.

**Quest Recycling Services, LLC**  
214-914-7369  
briand@questrecycling.com  

**R&D/Fountain Industries**  
507-373-2351  
kjkrieter@msn.com  
Industrial equipment for parts cleaning.

**Ray Camp Filters-Strainers**  
404-766-4940  
john@raycamp.com  

**Repsol-YPF- Applied Technology Center**  
54-221-4298665  

**Shell Lubricants**  
713-546-4209  
brett.morton@shell.com  
Manufactures, markets, and distributes new lubricant products. Works with NORA member companies to arrange recycling of mixed and used lubricants from company-owned and customer locations.

**Spencer Machine &Tool**  
812-282-6300  
glenespencer@aol.com  
filtration

**Summit Environmental Technologies**  
615-794-9437  
lpacecosef@aol.com  
Full service QAQC environmental laboratory. Emphasis and experience with liquid recycling and environmental service industries. Nelac and AZLA ISO certifications.

**SystemOne Technologies Inc.**  
305-593-8015  
mansurp@systemonetechnologies.com  
Recycling parts washers automatically providing pure solvent “On Demand” 4x daily.

**Trihydro Corporation**  
307-745-7474  
gmathes@trihydro.com  

**Tri-State Tank, L.L.C.**  
800-255-0008  
dsutton@tstllc.com  
Builders of truck mounted tanks for liquid recycling industry. Tanks, trucks, and pumps in stock for immediate delivery.

**Westfalia Separator**  
201-767-3900  
mgeirre@westfa.com  
Centrifuges-Disc type and decanters for the purification of used oil and/or wastewater. Biodiesel-separator and decanters used in Biodiesel Process.

**XL Insurance**  
800-327-1414  
kathleen.mcginn@xlgroup.com  
The environmental division of the XL Insurance companies offers integrated environmental risk management® solutions through insurance, loss control and claims management to leading businesses.

**Truck Works Inc.**  
602-233-3713  
maddux@truckworksinc.com  
Oil recovery vehicles - new and refurbished.

**Uni-Ram Corporation**  
905-477-5911  
david.albers@uniram.com  
Manufacturer of recycling equipment, parts washers, etc.

**URS Corporation**  
615-771-2480  
jack_waggener@urscorp.com  
Environmental engineering consultant - water, air, solid waste, used oil. URS has over 300 offices around the world.

**Vertex Energy, L.P.**  
866-660-8156  
benc@vertexenergy.com  
Buyer and logistical manager of petroleum products.

**Westfalia Separator**  
201-767-3900  
mgeirre@westfa.com  
Centrifuges-Disc type and decanters for the purification of used oil and/or wastewater. Biodiesel-separator and decanters used in Biodiesel Process.

**XL Insurance**  
800-327-1414  
kathleen.mcginn@xlgroup.com  
The environmental division of the XL Insurance companies offers integrated environmental risk management® solutions through insurance, loss control and claims management to leading businesses.
Members of NORA have a new resource available exclusively to them that will provide enhanced value. Our new comprehensive web site enables you to connect and communicate with other members everyday.

Also, we have built a genuine warehouse of documents, research reports, templates, and other useful information. This information is available only to members.

NORA has always been a useful organization in providing networking and knowledge to its members. However, we understand that many members do not attend our regular meetings. Our latest version of our website is designed to provide networking and knowledge tools to our members who attend and do not attend events.

Members who log in have complete access to our database of members. We have built a tool where you can save their profile as a vCard and add it to your personal contact group.

The new and improving NORA website is located at www.noranews.org. A user name and password is needed to access much of the content. If you need your username and password, please contact nora@noranews.org.

NORA recently invested in a high speed scanner to digitize important documents, like the Entrophy Study, so all content is available to all members at all times. Many resources are no longer available to the general public. However, we are working to get these resources available for you.

I strongly encourage you to start using the website. It is quickly becoming a site that you should have bookmarked when you need information related to the liquid recycling industry.

On the next page, I have listed some examples of what is available on the site. If you have suggestions on what to add to the site, please let me know.
Examples of Content on Website

**Entropy Study:** Landmark industry study that demonstrates the combustion of used oil in asphalt plants equipped with baghouses in good working condition resulted in emissions of lead below detection.

**Used Oil MSDS Template:** Members may use a new template as a tool to help create their own MSDS sheet for Used Oil.

**Committee Pages:** Provides past agendas and minutes for meetings. It also has an area for discussion on topics and active action items. It contains documents, position papers and other resources related to those committees. Finally, all committee members are listed.

**Business Directory:** All members who have purchased Membership Plus have a full listing on the website. It allows visitors to our site looking for a partner to find you.

**NORA Event Presentations:** PowerPoint presentations made at NORA conferences over the past few years are now indexed for members.

**State Regulation Summaries:** The regulations for anti-freeze recycling and filter recycling for each state are available for members on the website.

**Ideal Recyclers Handbook:** A collection of regulatory and facility information samples you can use to develop a similar document for customers, vendors and regulators.

**Other Info:** Part 279, CWT Regs, DOE Used Oil Study, Lawrence Livermore Lab Used Oil Study, links to industry groups, industry news plus a whole lot more.

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**Integrated Insurance Programs for the Recycling Industry**

For more than 20 years, the environmental unit of the XL Insurance companies has been providing integrated insurance solutions that include:

- Property & Casualty coverage
- Pollution coverage, tailored for customers’ needs
- Specialized Risk Control and Claims Management services

You also benefit from our financial strength and stability. The XL Insurance companies have one or more of the following ratings:

- A+ by A.M. Best
- A+ by Standard & Poor’s
- Aa3 by Moody’s

For more information, please contact:

Matt Gartner
Assistant Vice President – Underwriting
XL Insurance
520 Eagleview Blvd
Exton, PA. 19341
Phone: +1 800-327-1414 ext 9294
Email: Matthew.Gartner@xlgroup.com

"XL Insurance" is a registered trademark of XL Capital Ltd. XL Insurance is the global brand used by member insurers of the XL Capital Ltd group of companies. Coverages are underwritten in the US by Greenwich Insurance Company, Indian Harbor Insurance Company, and XL Specialty Insurance Company, and in Canada by XL Insurance Company Limited – Canadian Branch.

The above policy descriptions do not include a complete list of all terms, conditions and exclusions, and only the provisions of a specific policy have legal effect. Certain terms used in the above description are defined in the policy. Please see the specific policy for a complete description of its scope and limitations of coverage.
What Are Carbon Emissions and Why Do They Matter?

By Charles S.J. Johnston II, Oil Re-Refining Company and Mr. Alex Schay of Carbon Solutions

Whether we agree or not, most scientists, government officials, and even the public at large argue that global warming is real, that it is exacerbated by human activity, and that action must be taken to mitigate its effects – sooner rather than later. The success of An Inconvenient Truth, the recent awarding of the Nobel Peace Prize to both Al Gore and the Intergovernmental Panel on Climate Change, and the fact that “carbon neutral” was voted one of the most important new words / phrases of 2006, all convey the same message: like it or not, carbon issues are here to stay, and efforts to reduce greenhouse gas (“GHG”) emissions will play an increasingly important role with respect to business decisions, especially for heavy emitters.

As you will no doubt appreciate, fundamental change brings with it both challenges and opportunities. In July, 2006 and February, 2005 the US Department of Energy and the Groupement European de l’Industrie de la Regeneration released reports which contend that re-refining of used oil products (in general) and re-refining with intent to develop base lubricants (in particular) is inherently less carbon-intensive than production of either RFO or base lubricant from virgin stock. The possible emission-reduction potential associated with re-refining increases when base lubricants are distributed locally / regionally, and when RFO generated via re-refining replaces coke or coal use (e.g.: at cement plants). Thus, re-refiners may at last be recognized for their efforts, because the emissions reductions connected with this industry seem to constitute part of the solution, not part of the problem.

More compelling yet, reduced carbon emissions (emissions that would otherwise have gone into the ambient atmosphere) have financial value. Indeed, there is a value associated with each metric ton of greenhouse gas that is emitted. When GHG emissions are prevented, the result are “carbon credits” which may be sold to companies and government agencies that are unable to meet emission-reduction targets or that wish to “green” their annual report.

Where regulation of GHG emissions is concerned, the World is divided into two camps: the 36 countries which signed the Kyoto Protocol, and those countries which did not sign. With Australia’s recent accession to Kyoto, the United States remains the only industrialized country which has not yet signed this agreement. In signatory countries, a reduced ton of GHG emissions has a value of between €15.00 and €25.00, depending on such factors as supply & demand, country risk, project risk, and applicable emission-reduction technology / methodology. On voluntary carbon markets, such as the US market for carbon, a ton of reduced GHG emissions typically sells for between $3.00 and $4.00. The difference in price is due primarily to the fact that unlike their counterparts around the World, US emitters are not required to reduce emissions and to meet specific emission-reduction targets. Though the US still has only a “voluntary” market for carbon, this is beginning to change.

The US Push for Mandatory Cap-and-Trade:

Many US stakeholders (e.g.: non-governmental organizations such as The Pew Center on Global Climate Change, lawmakers such as Representative Jay Inslee and Senators John Warner and Joe Lieberman, as well as business leaders such as Wal-Mart, The Shell Group, Georgia Pacific, and DuPONT) believe it is possible to implement meaningful steps that will result in reduced GHG emissions. Moreover, many of these stakeholders have introduced draft legislation and implemented business models that dramatically cut emissions of CO2, CH4, and other greenhouse gases. For details about recent legislative initiatives, on both the national and the regional level, visit www.pointcarbon.com, and for information regarding corporate strategies
for addressing climate change, please see The Pew Center on Global Climate Change’s October, 2006 report entitled, “Getting Ahead of the Curve: Corporate Strategies that Address Climate Change.”

Many of these stakeholders have taken a seat at the table with respect to how emissions should be quantified, tracked, reduced, and regulated within the United States. On the national level, a handful of bills that would cap carbon emissions and outline rules for the trading of the resulting carbon credits have been introduced by the US Senate. Though none of this draft legislation has made it out of committee, it is widely-believed that some form of national cap-and-trade will be passed, and signed into law, in 2009. At the same time, many Northeastern states, known as the Regional Greenhouse Gas Initiative (“RGGI”), and many Western states, known collectively as the Western Climate Initiative (“WCII”), have initiated design and implementation of their own, regional, cap-and-trade mechanisms. Thus, one way or another, US cap-and-trade will become a reality within the next few years.

What is Cap-and-Trade?

In essence, a cap-and-trade regime caps the carbon (CO2, CH4, and other GHG) emissions associated with specified industries (e.g.: oil & gas, electricity production, and cement) and government organizations (e.g.: the US Air Force or municipal fleets). The cap-and-trade regime enables these industrial players and government organizations to reduce their GHG emissions both by implementation of approved, emission-reduction methodologies and via purchase of carbon offsets from companies that managed to reduce their emissions to a level beneath their prescribed cap. Failure to successfully reduce emissions to the prescribed level would necessitate either reduction of such emissions via approved technologies / methodologies or purchase of carbon offsets from companies and organizations that exceeded their cap. In contrast, exceeding one’s emission-reduction target would result in receipt of carbon credits that may be sold to those failing to meet their targets. Examples of approved, emission-reduction methodologies could include use of more efficient boilers or furnaces at industrial facilities or capture & use of methane from coal mines.

How Does Re-Refining Fit into the Equation?

As mentioned previously, many experts agree that re-refining results in reduced GHG emissions. Unfortunately, no approved methodology exists that could quantify and then monetize such emissions reductions. With proper industry support, a methodology can be developed and approved.

Let’s not miss the opportunity to take early advantage of the emissions reductions, which we know accompany our business activity. Let’s work together to research avenues for quantifying these emissions reductions, draft a methodology that would enable development of carbon credits, and exercise our collective expertise and influence to ensure approval of this methodology.

At ORRCO, we have begun reaching out to colleagues (US and European re-refiners, carbon developers, methodology experts, and government researchers) in an effort to build a coalition that can work together to research, draft, and seek approval for a viable emission-reduction methodology associated with re-refining. By cooperating on this endeavor, we can pool information, share development costs, and add legitimacy and credibility to the resulting methodology. This is a project that is best pursued together, not individually. With this in mind, I welcome your questions and concerns, and I look forward to industry collaboration on this exciting initiative. I wish to give special thanks to those individuals who have helped us but especially Mr. Alex Schay of Carbon Solutions Northwest (renewableschay@qwestoffice.net) for his technical expertise and assistance with this exciting New World that we are navigating. I am deeply appreciative for his help in writing this article as well!
Images from Winter Meeting

Welcome: Ben Cowart of Vertex Energy and 2008 NORA President welcomes the attendees to the 2008 NORA Winter Meeting. Over 100 people participated in the event at Lake Tahoe.

Bio Fuels: Jim Tefft of Crystal Flash Energy leads the Bio Fuels Working Group. This is the newest committee within the NORA structure.

Thank you: (l) Matt Gartner, XL Insurance was the sponsor for the successful opening reception. This is a great opportunity for members to meet up before the committee meetings. (r) Bill Hinton, USI participates in the discussion.

Reconnecting: (l to r) Don Kleine, Vortex and Steve Kerdoon and Jim Ennis of DeMenno/Kerdoon enjoy a moment at the opening reception in Lake Tahoe.

Filter Working Group Leadership: (l to r) Don Kleine, Vortex; Charlie Stieneker, Atlantic Industrial Services; Troy Hacker, Thermo Fluids and Rick Adams, Total Recycling Technologies address the latest issues facing filter recyclers.
Thank you to our
2008 Winter Meeting Sponsors

Opening Reception Sponsor:

Thank you to our Premier Sponsors:

Thank you to our Gold Sponsors:

Thank you to our additional Sponsors:
NORA CEO Round Table Explores Future of the Liquid Recycling Industry

Attendees to the 2008 NORA Winter Meeting experienced the first NORA CEO Round Table.

For over an hour, CEO’s from some of the largest companies in the liquid recycling industry provided their insight about the most pressing issues facing the industry. The CEOs who participated included Ian Hislop, Thermo Fluids, Inc.; Alec Thomas, Atlantic Industrial Services; and Fred Florjancic, Safety-Kleen Systems. The program was moderated by NORA General Counsel Chris Harris.

The complete session was recorded and is available for all members for free on CD. See the box at the top of this page on how to obtain your copy of this member exclusive.

The following are the questions that were answered:

- Consolidation in the used oil recycling industry (bigger companies buying smaller ones to expand their markets and customer base) is a noticeable trend over the past decade. Will this trend accelerate so that the used oil recycling market in the U.S. will be completely dominated by 2 or 3 companies ten years from now?

- Have you observed any trends in the past five years concerning enforcement by regulators in our industry? (e.g. more lenient, more aggressive, etc)

- Does the so-called MOM & POP recycler or collector have any future in the U.S.?

- Will the price for crude oil remain in the high range for the next few years? If so, will that guarantee profitability for used oil recyclers?

- Is it time to re-write the used oil management standards to address the realities of used oil recycling for the balance of this century?

- In order to survive, is it now essential for a company in the used oil recycling business to provide a wide variety of collection/recycling services to customers (anti-freeze, filters, oily rags, solvents, etc)?

- Will the extended oil change interval (e.g. every 25 thousand miles) have a significant impact on the availability of a sufficient used oil supply? In other words, will there be too much recycling capacity chasing too little used oil?

- Does re-refining have a solid market future in the U.S.? Does its future depend on taxpayer subsidies and/or regulatory requirements that compel re-refining?

- What is the world market for used oil recycling? Do foreign markets provide good opportunities for U.S. companies?

NORA recorded the complete CEO Round Table from the 2008 Winter Meeting. It is packed with insight and opinions about the state of the industry and the future. The interactive session is a must for every member.

All members may receive a FREE CD of the session. Simply send an email to nora@noranews.org to request your copy.
Jim Munell of Emerald Recycling exhibited at the AOCA show to promote their service offering in the Pacific Northwest.

Roy Schumacher (l) of Thermo Fluids and Ben Cowart (r) of Vertex Energy and NORA President discuss trends in the liquid recycling industry.

NORA’s Executive Director visited the Thermo Fluids Team in their booth.

Dave Boyd of DeMenno/Kerdoon stopped by the NORA booth on the first day of the show. Many NORA members participated in the AOCA show as attendees.

FCC Environmental exhibited at the AOCA Show to promote the company’s new name after the company was recently sold.
NORA Visits Member DeMenno/Kerdoon Recycling Facility

NORA Executive Director Scott D. Parker visited NORA Member DeMenno/Kerdoon’s eight acre recycling facility in Los Angeles, California in mid-March.

Jim Ennis and others from DeMenno/Kerdoon provided insight into the state-of-the-art facility.

Parker noted, “The DeMenno/Kerdoon facility in California is a shining example of a successful operation responsibly recycling used oil and other materials. The facility is a wonderful combination of technology and employees with pride all performing at a high level.”

The DeMenno/Kerdoon facility features an on-site lab that is a tremendous resource for the facility. It meets the State of California Department of Health Services Environmental Laboratory Accreditation Program (ELAP) lab criteria. It enables DeMenno/Kerdoon to offer the maximum required testing of incoming materials, with a minimum invested time which offers customers guaranteed timely lab results.

Also on display was a high-tech air monitoring system to help the company be good neighbors with the surrounding area.

DeMenno/Kerdoon operates 24 hours a day, 7 days a week to facilitate the proper handling and recycling of the millions of gallons of waste oil they receive annually. Their Oil Recycling Unit uses state-of-the-art processes to insure their end products meet the most stringent standards and requirements for recycled oil product certification.

DeMenno/Kerdoon also recycles waste antifreeze/glycol into antifreeze and ethylene glycol.

On the day of the visit, the flow of trucks into the facility was impressive.

NORA’s Executive Director will be meeting with members around the country this year and reports will be made to members.
Share the Love!

2008 NORA Contest

You now have the opportunity to help your association and get cool stuff! NORA has a great Membership contest that runs May 23rd through October 10th. These are easy contests with HUGE PRIZES related to the upcoming NORA Annual Conference in Rancho Mirage, November 5-7, 2008.

Member-Get-A-Member • Member-Get-An-Exhibitor

Simply refer a non-member company for membership in NORA. The contest will track how many new members you referred.

Or have a vendor who you think should be exhibiting at NORA? Simply refer that company to exhibit at NORA. The contest will track how many new exhibitors you referred.

1st Place Prize
• Limo Transfer from Palm Springs airport to the resort.
• Upgrade to a Suite at Conference
• 10 Additional Drink Tickets for Conference
• Attractive wall plaque for your company.
• I-pod

2nd Place Prize
• Limo Transfer from Palm Springs airport to the resort.
• 10 Additional Drink Tickets for Conference
• Attractive wall plaque for your company
• I-pod

3rd Place Prize
• 10 Additional Drink Tickets for Conference
• Attractive wall plaque for your company
• I-pod

Contest Rules:
1. To get credit for referring a member or exhibitor, your name needs to be listed on the “Referred by” line of the membership or exhibitor form.
2. Only one company may receive credit for a new member or exhibitor.
3. In case of a tie, a coin flip will be used.
4. To qualify, a new member or exhibitor is defined as a company who has not been involved with NORA in the past year.
5. Contact NORA at 703-753-4277 or at sparker@noranews.org. We will send a membership kit or exhibitor kit to the company with your name filled in on the “Referred” line so you get credit.
6. All disputes or interpretations regarding this contest will be decided by NORA.
7. A company that joins and exhibits counts as twice in this contest.
Industry News

Many of the articles below have been previously published on the NORA website.

Actaris and Safety-Kleen Partner on Mass Flow Technology

Actaris recently provided Safety-Kleen with a mass flow metering system for an evaluation they were performing to check the level of contamination of incoming used oil. When waste oil is collected, this system will measure the mass, density, and temperature of the incoming liquid, and use this information to calculate the volume. The mass flow metering system was installed by Oilmen’s Truck Tanks of Spartanburg, SC.

For more information about this technology, contact Actaris customer service at (800) 833-3357.

NORA Member Announces New Line of Absorbents

Environmental Resource Associates and KAFKO International recently announced that they are producing an eco-friendly line of absorbent pads made of natural plant by-products. These feature woven construction, and were designed to provide a safer and cleaner workplace while helping companies meet OSHA and EPA requirements.

The line includes Oil Only Pads and Rolls, Universal Pads and Rolls and Absorbent Socks. The pads will absorb up to 20 percent more than melt blown polypropylene pads, yet cost less. All are available in a variety of weights and finishes. Product sizes range from 16-inches x 18-inches to 28-inches by 150-ft. rolls. Weights include light, medium and heavy.

For information, visit www.oileater.com or call Warren Gortze at 508-428-6282 or email eragortze@comcast.net for a free sample.

Truck Works Develops New HDG Process

Truck Works Inc. (TWI), a Phoenix, Arizona based corporation and an original equipment manufacturer (OEM) proudly integrates an old technology with a new application providing its users a huge advantage to their bottom line. This new cost effective solution involves an old technology by Hot Dip Galvanizing (HDG) Transportation Tanks (patent pending). HDG’s primary use in the liquids transportation industries proclaims to be the best cost savings seen in years. Until recently, the potable water industry primarily servicing volume drinking water distribution and dust abatement equipment will be revolutionized by this innovative new concept TWI has developed and will deliver a cleaner safer product. “Galvanization offers our customers a proven process of incurring relative corrosion resistance at an economical cost.” said owner and founder of TWI, Colin Dickinson. “Due to the rising concerns involving environmental awareness issues, EPA mandates, and the common need for longer durations in liquid transportation tanks life expectancy, this is the most efficient and affordable process providing the user confidence in the quality of the product being transported without the price tag.”

“Previous to the new HDG process TWI developed, customers’ options were limited to stainless steel or an epoxy coating over bare steel. Although both stainless steel and epoxy provide corrosion resistance (stainless the better of the two), the increased cost associated outweighs its benefit.” said Rob Mundell, TWI partner and plant manager. Epoxy coating, a commonly element used in the industry today which also provides corrosion resistance has a down side if the coating is damaged, incorrectly applied, or not properly maintained, will result in exposure of the bare metal surface and then corrosion process begins. With the rise in the cost of the precious metals, HDG offers customers an exceptional product that will be in service for many years.

Additional benefits to using HDG include a reduction in service repairs adding life to equipment by eliminating the need to replace the tank as frequently, thus improving the value for the investment.

TWI is currently testing the product and is in the formal process of acquiring potability certification from the National Sanitary Foundation (NSF). As soon as the certification is acquired, TWI will expand the availability of this process for use in markets other than the potable water arena.

For more information, please contact Colin Dickinson at Cdickinson@truckworksinc.com.

Oregon HEAT Partners with NORA Member to Introduce Oil Recycling Program

Partnering with the environmental award-winning oil recycler, Oil Re-Refining Company, Oregon HEAT is ramping up a new and different kind of statewide oil donation program.

...continued on page 16
Clean in Place - 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 and Resulting Waste and Environmental Liability
- Minimize Disposal and Other Environmental Costs
- Reduce Labor Costs

Features
- Constant Cleaning
- Back-flushable
- 316 Stainless Steel
- Filter as small as 10 micron or as large as customer requirements
- Flow rates to 5,000 gal/min.
- Pressures to 400psi
- Temperatures to 400° F+

Spencer Machine & Tool Co.
6205 Gheens Mills Road
Jeffersonville, Indiana 47130
Phone: 1-800-801-4977 • Fax: 812-282-7272
www.spencerstrainer.com
This endeavor will help ease the burden on low-income Oreganians who face volatile heating oil prices, all while reducing petroleum waste products in Oregon. The oil program also helps Oregon HEAT and its partners reach more at-risk families and expand service to new areas of Oregon.

“The recent record-breaking costs of heating oil can leave families with the stark choice of trying to heat their home or pay for other essentials like food and health care,” says Executive Director Roger Rees. “ORRCO’s commitment to the community will make a huge difference for local families in crisis – not to mention our ecosystem.”

President of ORRCO, Bill Briggs, says he sees the partnership with Oregon HEAT as timely and absolutely essential. “We are proud to partner with Oregon HEAT in recycling oil products to help people to stay warm. What could be better? This is neighbor helping neighbor exemplified – and demonstrates how local businesses are committed to making a difference.”

In just its first 50 days, the program has received pledges of nearly 5,000 gallons worth upwards of some $10,000. Rees says that’s just the tip of the iceberg, noting that he’s already been contacted by leaders from other states who want to model Oregon HEAT’s new program in their own communities.

**Air Force Center in TN Receives Recycling Award**

In recognition of significant waste diversions achieved from October 2006 through September 2007, the Arnold Engineering Development Center received the Government Recycler of the Year award on January 18 from the Tennessee Recycling Coalition. In her award notification to AEDC, Gail Randolph, Chair for TRC Awards stated, “The men and women at AEDC provide an outstanding service to our nation in testing for our future air and space systems and supporting the war on terror. While accomplishing that mission, the facility strives to set the example in reducing, reusing and recycling our valuable resources.”

According to Frank Duncan, Air Force Environmental Quality Program manager, 47.1 percent of all non-hazardous solid waste was diverted to recycling activities. This included 2,149 tons of construction and demolition materials, 2,039 tons of scrap metal, 244 tons of cardboard and 147 tons of other materials.

In addition, AEDC personnel were credited with recycling 76.1 percent of municipal solid waste, which consists of scrap metal, paper and cardboard and other materials.

“This was achieved through source segregation where paper, cardboard & scrap metal were collected in bins distributed across the facility,” said John Daniels, Air Force Services Recycling manager. “The materials from full bins were transported to central locations to be sold to recyclers.”

Significant strides also were made in reducing the amount of hazardous waste generated, from a high in 1991 of more than 250 tons to 38 tons in fiscal 2007, an 85 percent reduction. Petroleum and hazardous materials recycling efforts included 58 tons of used oil, 75 tons of glycol and seven tons of tires.

**German Biodiesel Industry Near Collapse**

The biodiesel industry in Germany is nearing a state of collapse because of a tax increase that kicked in at the first of the year, according to a report on Reuters.

Biodiesel refiners in Germany are only producing at 10 percent capacity, according to the Reuters story from a European biodiesel conference. That’s down from 20 percent the year before. Because of the downturn, some biodiesel manufacturers are taking apart their factories and selling the equipment to manufacturers in the U.S. and Canada. Like solar energy, biofuels still largely depend upon government support and subsidies. Biodiesel costs more than regular diesel. You don’t have to dig deep wells in the ground to get at it, but making it largely requires growing crops and harvesting plant oils. Biodiesel can be made out of waste vegetable oil and animal fat, but there’s not nearly as much available as one might think.

To make biodiesel competitive, U.S. refiners get 50 cents a gallon (for used oil) to $1 a gallon (for virgin oil) in subsidies. Not so in Germany. Instead, the government taxes biodiesel. The taxes began in 2006 because the government didn’t want to give up the revenue. Thus, biodiesel isn’t cost competitive there anymore. (Biodiesel provides around 11 percent less energy than regular diesel as well, which probably further hurts.)

Ironically, the E.U. is currently implementing many green technology initiatives and trying to come up with ways to reduce greenhouse gas emissions. Diesel cars are also far more popular there than in the U.S. Sales of biodiesel in Europe so far exceed sales in the U.S.
UK Calls for Changes in Waste Oil Protocol

Attempts to cut the red tape governing recycled waste vegetable oil have been broadly welcomed by Europe’s largest environmental technology trade association as a “positive step”. However, the Environmental Industries Commission - which represents 320 environmental technology and service bodies - has criticized some elements of the biodiesel Quality Protocol being developed by the Environment Agency and WRAP. In particular, it is warning that a company recycling oil into biodiesel under the Protocol could not use the resulting fuel on its own site.

Under the quality protocol, the EA sets out criteria for when waste vegetable oil ceases to be a “waste” in the eyes of the law, and becomes the product biodiesel. The protocol is based on the recovered oil conforming to the British standard BS:EN 14214 or the alternative, BS: EN 14078. Accordingly, biodiesel derived from waste vegetable oil would have to be produced via a “chemical process” and used for combustion in “automotive engines”.

The EIC - whose members include oil-recycling companies such as D1 oils and Eco-oil Ltd - claimed in its response to the 12-week consultation to the protocol that the protocol as it stands could restrict the use of biodiesel as a product to off-site use.

EIC director Merlin Hyman said, “The Protocol states that waste vegetable oil (WVO) derived biodiesel ceases to be a waste ‘when it has been dispatched to the customer. This on one hand is a positive step, but its use offsite as a diesel fuel is not its only use. It can be used as fuel in the boilers or power generators onsite. We do not believe that its use should be restricted to offsite use. Also it would seem rather odd to store it onsite as waste. WVO biodiesel should cease to be a waste once it has met the requirements of BS: EN 14214.’”

2008 NORA Annual Conference: Mark your calendar

The 2008 NORA Annual Recycling Conference and Trade Show will be held November 5-7, 2008 at Rancho Las Palmas Resort & Spa in Rancho Mirage, California.

The NORA Conference is the nation’s premier networking and education event that attracts over 300 leaders from the industry.

Register now to save money by using the Early Bird Rates. See the enclosed form. Also, book your room with the info on the form before they sell out.
NORA Visits Member Thermo Fluids Anti-Freeze Recycling Plant

NORA Executive Director Scott D. Parker and NORA President Ben Cowart visited NORA Member Thermo Fluids Inc.’s anti-freeze recycling facility in Las Vegas, Nevada on March 11, 2008. Brian Schmidt, an Area Manager for Thermo Fluids Inc., described the history and process of the facility to the NORA visitors. Additionally, the group discussed opportunities and the future of anti-freeze recycling in the United States and actions NORA should consider to protect and grow that sector.

Parker noted, “The Thermo Fluids anti-freeze recycling operation was first-rate and very impressive. NORA’s mission is to promote responsible recycling and this facility certainly is an example of that.”

NORA’s Executive Director will be meeting with members around the country this year and reports will be made to members.

Industry Calendar
NORA Mid-Year Meeting
June 18-20, 2008, Providence, RI
www.noranews.org

The 3rd Symposium on the Assessment and Control of Metal Removal Fluids
October 5-8, 2008, Dearborn, MI

ILMA Annual Meeting
October 11-14. Scottsdale, AZ
www.ilma.org

NORA Annual Conference
November 5-7, 2008, Rancho Mirage, CA
www.noranews.org

Automotive Oil Change Association 2009 Convention
May 26-29, 2009, Georgia
www.aoca.org

Want something added to the calendar? Email sparker@noranews.org

New Members Join NORA

NORA’s membership has grown to over 200 members this year. NORA relies heavily on word of mouth marketing. Please refer NORA to your peers and suppliers. Eleven companies joined NORA this year.

<table>
<thead>
<tr>
<th>Company</th>
<th>Contact</th>
<th>Location</th>
<th>Phone</th>
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<tbody>
<tr>
<td>American Oil Recycling, Inc</td>
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<td>Castion Corporation</td>
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<tr>
<td>HOWCO</td>
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<tr>
<td>Oldcastle/Appalachian Mat. Group</td>
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<td>Dunbar, WV</td>
<td>304-768-9733</td>
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<tr>
<td>On-Site Antifreeze Recycling</td>
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<td>N. Fort Myers, FL</td>
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<td>PESCO-BEAM Environmental</td>
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<tr>
<td>Q Environmental, Inc.</td>
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<td>The Lube Stop, Inc.</td>
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<tr>
<td>Uni-Ram Corporation</td>
<td>David Albers</td>
<td>Markham, Ontario</td>
<td>405-477-5911</td>
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Member Spotlight

NORA has over 200 members. Each issue of liquid Recycling will feature a different member.

Company Name & Headquarters: COMMERCIAL FILTER RECYCLING – SA RECYCLING LLC

When was it started: April 1992

NORA member since: 1992

Your name and title: Tammi Jones – General/Regional Manager

How long have you been with the company/industry and how did you get started? I have been with the company since 1989 and I started out as a customer and worked my way up from cashier/receptionist to management

Where does your company provide service? The entire state of California and surrounding states

What services do you provide? Processing of used oil filters only

Why are you a member of NORA? In our business we recycle oil and all of our customers are liquid recyclers and we find it important to support our customers

How do you see NORA helping you build your business or gain new trading partners? Being a member helps us gain respect in the industry.

A view of the steel byproduct related to filter recycling. This major facility processes 12,000 tons of filters each year.

This is the beginning of the process where filters are loaded in the bin prior to crushing and being sorted into oil, metal and paper.

The control center provides for efficient and safe processing of the used oil filters at Commercial Filter Recycling.
Testing Used Oil Has Never Been Easier

Clor-D-Tect® 1000
U.S. EPA Method 9077
ASTM Method D-5384
A Yes/No on-site test to determine chlorine contamination in used oil at 1000 ppm total chlorine

Clor-D-Tect® Q4000
U.S. EPA Method 9077
ASTM Method D-5384
A quantitative on-site test to determine chlorine contamination in used oil within the range of 200 - 4000 ppm total chlorine

HydroSCOUT®
Quantify Water in Used Oil

On-site or Laboratory Setting
Range: 1500 ppm - 100%
Results in 2 minutes
Environmentally safe

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