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Election Results for 2015 Board of Trustees

The Southeastern Ohio Oil and Gas Association welcomes new members to the 2015 Board of Trustees. Elected to the 2015 Board of Trustees, were incumbents Carl Heinrich, Heinrich Enterprises, Inc. and Steve Sigler, Buckeye Oil Producing Company. SOOGA BOT welcomes newly elected to their first term are Roy Marshall, United Rental, and Jarrod Stevens, Stevens Oil and Gas.

Ohio's Oil and Gas Industry Trains Local Firefighters How to Safely Respond to Oilfield Incidents

Article provided by: OOGEEP November 7, 2014

Nearly 100 firefighters complete OOGEEP training; total number trained tops 1,200

Granville, OH – The Ohio Oil and Gas Energy Education Program (OOGEEP) recently completed its fall firefighter training series, adding 92 firefighters to the number of first responders that have been trained how to effectively manage and address potential and rare incidents associated with the oil and gas industry. First responders from the Marietta Fire Department, Oak Grove Volunteer Fire Department and Warren Township Volunteer Fire Department recently completed the accredited training course.

“I believe my community will directly benefit from this training because I’m able to share what I learned with others,” said Firefighter Austin McVicar from the Oak Grove VFD. “The training course and facility are an asset to first responders in our area and across the state.”

“This training was informational and well developed,” said Firefighter Don Schwendeman from the Warren Twp. VFD. “I believe the course will help me protect my fellow first responders and the people we serve.”

Funded by Ohio’s oil and gas producers, OOGEEP regularly educates firefighters and other personnel about possible emergency situations involving the oil and gas industry. Firefighters participate in a two-day training that includes classroom instruction and field demonstrations. First responders learn:

(Continued to page 18)

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THE CROW'S NEST

As December marks the end of my term as President of the Southeastern Ohio Oil and Gas Association, this will be my last Crow's Nest Article. I would like to take this opportunity to thank the officers of SOOGA, all of the board members who have worked hard to make your Association successful, our membership for their participation in our meetings and social events, and last but certainly not least, Billie Leister, our executive secretary, who makes the business of this association run smoothly along with her assistant, Whitney Huck. Without the efforts of all of these folks, our Association would not be where it is today.

Going forward into 2015, your association will continue to need every member's assistance, sponsorships, personal efforts, and diligence to grow the association and make it even more successful. Matt Lupardus, your new President, will need the support of all of our members to meet the upcoming issues that we will be facing in 2015 and beyond. Matt is a very capable person who understands the issues, upcoming regulations, environmental obstacles, and other problems that will arise as the Association moves forward in protecting the smaller producers and their businesses so that they can remain successful and grow. I would ask that each of you offer Matt and the board your help in whatever way you can to make our Association stronger, and so that it can still be a powerful voice and advocate at all governmental, political, and environmental fronts for our industry.

Looking back over the years, your board instituted the SOOGA Legacy Fund, which enables your association through your donations the ability to help our communities with local education programs in the energy field, scholarships for students, community center improvements, gas assistance programs, and helping local law enforcement be prepared and ready to respond to oil and gas related accidents. Please consider donating to this fund, no matter how small the donation might be, as it will help us continue this great program.

SOOGA renewed its partnership with WMOA radio, and we are getting positive messages out to the public about our members and our industry. We are getting ready to put some new messages out, so stay tuned. Also, check out our new website and Facebook page, as you can register for SOOGA events by utilizing the website.

As we move into 2015, we will have several issues which your association will be taking an active role in, and we will need the membership's help and input on issues as they arise. The severance tax issue, tank regulations in WVA in which registration has already begun, Wayne Forest lease issues, EPCRA reporting, and others will need to be closely followed and acted on by your board and committees. Please take an active role and provide your assistance with these issues as we present them to the membership.

I have thoroughly enjoyed my term as your president, and once again, appreciate all of the support and help that the membership, staff, and board has provided me. Please support your new officers, and help them achieve the goals our association and its membership going forward.

Continue to operate safely, protect our environment, and support your communities.

President
Jim Javins

2014 NEW MEMBERS
SOOGA would like to welcome the following new members:

JULIE SILVIS
 Professional
 Environmental Service Laboratories, Inc.
 1803 Philadelphia Street
 Indiana, PA 15701
 724-463-8378

BUB SIX
 Associate-Producer
 PDC Energy
 2167C State Route 821
 Marietta, OH 45750
 304-838-8258

JOHN GIESE
 Contractor
 JRGO Energy Services, LLC
 3560 Cardinal Point Dr. #201
 Jacksonville, FL 32257
 904-730-7994

RICH VANEK
 Associate-Contractor
 JRGO Energy Services, LLC
 3560 Cardinal Point Dr. #201
 Jacksonville, FL 32257
 904-730-7994

AMANDA HAGY
 Professional
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 859-623-0499

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**Southeastern Ohio Oil and Gas Association
Gas Committee Report
December, 2014**

PRICING

Prices December 8, 2014

One Year NYMEX strip (Jan., 2014 – Dec., 2014)	\$3.56
Summer NYMEX strip for 2015 (April-October)	\$3.48
Winter NYMEX strip (Jan, 2014 – March, 2015)	\$3.66
TCO Index Posting - December, 2014	\$4.21
DTI Index Posting - November, 2014	\$2.97

It appears that high storage levels combined with enhanced production capabilities and slow usage growth could keep gas prices from rising dramatically over the next couple of years.

GAS STORAGE AS OF THE December, 4, 2014 Report

Working Gas in storage was 3,410 bcf as of Friday, November 28, 2014. At 3, 410, total working gas is **below** the 5 year historical range.

Region	Stocks billion cubic feet (Bcf)			Year ago (11/28/13)		5-Year average (2009-2013)	
	11/28/14	11/21/14	change	(Bcf)	% change	(Bcf)	% change
East	1,830	1,864	-34	1,872	-2.2	2,013	-9.1
West	478	477	1	532	-10.2	522	-8.4
Producing	1,102	1,091	11	1,233	-10.6	1,247	-11.6
Salt	314	306	8	307	-2.3	265	18.5
Nonsalt	788	785	3	926	-14.9	982	-19.8
Total	3,410	3,432	-22	3,637	-6.2	3,782	-9.8

Storage is 78.7% full compared to normal as of this report, with normal total capacity of 4,332 at the start of the withdrawal season. Storage is 227 BCF below last year, and 372 BCF below the five year average.

Source: Form EIA-912, "Weekly Underground Natural Gas Storage Report." The dashed vertical lines indicate current and year-ago weekly periods.

(Continued to page 6)

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2015 SOOGA Tentative Calendar of Events

April 23rd, 2015

Spring Membership Meeting

May 15th, 2015

Spring Golf Outing

June 5th, 2015

Spring Clay Shoot

August 14th, 2015

Fall Golf Outing

September 17th, 2015

Annual Trade Show

October 16th, 2015

Fall Clay Shoot

November 2015

Annual Gun Raffle

Venues and times for events will be
announced at a later date.

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(Continued from page 4)

EIA Raises Forecast for natural Gas Prices:

According to the EIA, natural gas consumption will average 73.2 Bcf per day in 2014, up 2.2% Bcf from 2013. The EIA expects prices to finish at an average of \$4.44 for 2014, and \$3.83 for 2015.

GATHERCO

Retainage for September, 2014 is as follows for the Gatherco systems. Treat was 4.0%, Miley was 4.0%, Meigs was 8.77%, York was 4.0%, Grimes was 8.68%, and Elk was 8.17%. October, 2014 retainage was not available as of the date of this report.

WEST VIRGINIA NEWS:

West Virginia appears to be close to landing a coveted ethane cracker plant to serve the Utica and Marcellus shale plays – the sort of billion-dollar project coveted by Ohio economic development officials for some time.

West Virginia Gov. Earl Ray Tomblin and officials from Brazilian company Odebrecht stood shoulder to shoulder at a press conference recently, saying the company is looking at developing a cracker near Parkersburg across the Ohio River from Marietta.

The plant, which would separate ethane from natural gas, would be part of a petrochemical complex that would include three polyethylene plants and facilities for water treatment and energy cogeneration.

New Tank Regulations:

West Virginia has adopted some new tank regulations recently. The results and requirements of this new regulation were set out and explained in the latest SOOGA Newsletter, so please read it to familiarize yourself with these regulations if you have production in WV.

UTICA NEWS:

NEW PIPELINES PROPOSED TO SPUR UTICA SHALE DRILLING IN OHIO

SUNOCO LOGISTICS PARTNERS, L.P.

Sunoco Logistics Partners L.P. announced on 11/6/2014 that it will build a huge pipeline project that will quadruple the Marcellus Shale gas liquids moving through the Philadelphia area called the Mariner East 2 project. It will be at least 16 inches in diameter, and begin in Scio, Ohio and cross West Virginia and Western Pennsylvania to the Philadelphia area. The pipeline will be 350 miles long, and is expected to deliver 275,000 barrels per day of natural gas liquids (NGL) to the Marcus Hook complex, and will begin operations by the end of 2016, subject to regulatory and permit approvals.

COLUMBIA PIPELINE GROUP:

Columbia Pipeline Group (CPG), a unit of NiSource Inc. (NYSE: NI), today announced a total of \$1.75 billion in new investment in infrastructure that will enable it to transport up to 1.5 billion cubic feet per day (Bcf/D) of natural gas from Marcellus and Utica production areas to markets served by its Columbia Gas Transmission (Columbia Transmission) and Columbia Gulf Transmission (Columbia Gulf) pipeline systems. The proposed Ohio and West Virginia pipeline, known as Columbia Transmission's Leach XPress project, is supported by long-term firm service agreements with Range Resources - Appalachia, LLC, Noble Energy, Inc., Kaiser Marketing Appalachian, LLC and American Energy Utica - LLC. The project, which involves construction of approximately 160 miles of pipeline, compression and related facilities on Columbia Transmission's system, will provide access to multiple Marcellus and Utica receipt points and establish a substantial new header system serving the heart of the Appalachian supply basin.

Continued to page 10



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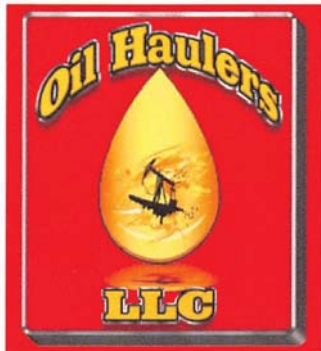
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Continued from page 6

DUKE ENERGY:

Duke Energy and Piedmont Natural Gas today announced the selection of Dominion to build and operate a 550-mile interstate natural gas pipeline from West Virginia, through Virginia and into eastern North Carolina to meet the region's rapidly growing demand for natural gas. The pipeline has an estimated cost of between \$4.5 billion and \$5 billion, an initial capacity of 1.5 billion cubic feet of natural gas per day, and a target in-service date of late 2018. Gas will be carried through a 42-inch-diameter pipe in West Virginia and Virginia, and a 36-inch-diameter pipe in North Carolina. The pipeline's main customers are six utilities and related companies that collectively will purchase a substantial majority of the pipeline's capacity to transport natural gas – Duke Energy Carolinas, Duke Energy Progress, Virginia Power Services Energy, Piedmont Natural Gas, Virginia Natural Gas, and PSNC Energy.

SPECTRA ENERGY:

Spectra Energy, along with two other companies, are proposing a new 250 mile 36" pipeline, Nexus Gas Transmission, for transporting gas from shale drilling in eastern Ohio to Detroit and southern Ontario, subject to FERC approval. The anticipated cost of this new pipeline is \$1.5 billion, and could be in service as early as November, 2016. The proposed pipeline will run from Carroll County, Ohio, to Detroit and southern Ontario.

AMERICAN ENERGY/REGENCY ENERGY PARTNERS

American Energy and Regency Energy Partners are planning a \$500 million pipeline to move American Energy's Utica shale gas to major pipelines like Rockies Express and Texas Eastern that service Texas, Colorado, and states along the nation's southeastern rim. The 52 mile system will deliver more than 2 BCF per day of gas supply. It is expected to be completed in the third quarter of 2015.

ENERGY TRANSFER

A second interstate pipeline is being planned to ship natural gas from the Utica and Marcellus Shale regions across Stark County. The planned Rover Pipeline would carry up to 3.25 BCF of natural gas per day from West Virginia, Pennsylvania, and Ohio. In total, the Rover mainline will include 380 miles of 36 inch and 43 inch diameter pipe and five compressor stations, plus 197 miles of supply laterals ranging in diameter from 24 to 47 inches.

DOMINION EAST OHIO:

Blue Racer Midstream has negotiated a new agreement for liquids uplift for producers on the DEO Guernsey/Cambridge gathering system for conventional production. The new agreement will be an amendment to the original HCA agreement. More details will be available after the agreement is completed.

MIDSTREAM/PROCESSING NEWS:

Pinto Energy is looking to build a 2,800 bbl/day gas to liquids plant east of Ashtabula, Ohio. It will produce high quality synthetic liquids as well as lubricants, waxes and solvents from gas being produced by the Utica and Marcellus formations.

Utica East Ohio (UEO), a joint venture by Access Midstream, M3, and EV Energy Partners, became the first fully integrated gathering, processing, and fractionation complex to be put into operation on July 28th. in Eastern Ohio. This initial phase of the UEO project is capable of processing 220-million cubic feet per day at their cryogenic processing facility near Kensington, and is processing 45,000 barrels per day of natural gas liquids at their fractionation, storage and rail facility near Scio.

The second phase is under construction and scheduled to be completed in December, 2014 with a third phase to follow. When complete, the UEO project will have 800 million cubic feet per day of cryogenic processing, 135,000 barrels per day of natural gas liquids fractionation, 870,000 barrels per day of natural gas liquids fractionation, 870,000 barrels of gas liquids storage and a rail facility capable of loading 90 cars per day.

Hickory Bend Project, the NiSource and Hilcorp natural gas processing project, has announced the construction of a \$60 million pipeline to move natural gas liquids from their cryogenic natural gas processing plant in Springfield Township to attractive market destinations. Pennant Midstream will construct the 12 inch 38 mile pipeline. It will have the capacity to deliver up to 90,000 bbls. of NGS per day to a Utica East Ohio pipeline in Columbiana County, and from there be transported to the fractionators in Harrison County. It is expected to be complete by July, 2014

(Continued to page 16)



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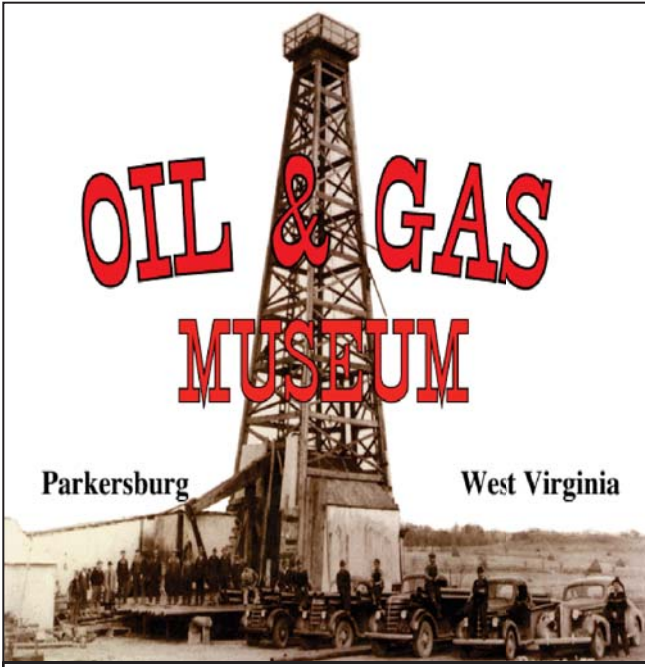
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CARBON MONOXIDE HAZARDS FROM SMALL GASOLINE POWERED ENGINES

Many people using gasoline-powered tools such as high-pressure washers, concrete cutting saws, power trowels, floor buffers, welders, pumps, compressors, and generators in buildings or semi-enclosed spaces have been poisoned by carbon monoxide (CO). CO can rapidly accumulate (even in areas that appear to be well ventilated) and build up to dangerous or fatal concentrations within minutes.

All Employers and Equipment Users Should:

- ☑ NOT allow the use of or operate gasoline-powered engines or tools inside buildings or in partially enclosed areas unless gasoline engines can be located outside away from air intakes. Use of gasoline-powered tools indoors where CO from the engine can accumulate can be fatal.
- ☑ Always place the pump and power unit of high-pressure washers outdoors and away from air intakes so that engine exhaust is not drawn indoors where the work is being done. Run only the high-pressure wash line inside.
- ☑ Consider the use of tools powered by electricity or compressed air if they are available and can be used safely. For example, electric-powered tools present an electrocution hazard and require specific precautions for safety.
- ☑ If compressed air is used, place the gasoline-powered compressor outdoors and away from air intakes so that engine exhaust is not drawn indoors where the work is being done.
- ☑ Use personal CO monitors where potential sources of CO exist. These monitors should be equipped with audible alarms to warn workers when CO concentrations are too high.
- ☑ Substitute less hazardous equipment whenever possible. Use electric tools or tools with engines that are separate from the tool and can be located outside and away from air intakes.
- ☑ Call 911 or another local emergency number for medical attention or assistance if symptoms occur. Do NOT drive a motor vehicle--get someone else to drive you to a health care facility.
- ☑ Stay away from the work area until the tool has been deactivated and measured CO concentrations are below accepted guidelines and standards.
- ☑ Watch coworkers for the signs of CO toxicity.



Warning Signs of Overexposure

Carbon monoxide is often called the silent killer because it gives no clear warning to its victims. It is an invisible gas with no taste or smell and it will not cause any unusual feeling in the nose, throat or mouth as it is breathed in. The first effects that are usually noticed are:

- Headache
- Nausea/Vomiting
- Weakness
- Dizziness
- Visual Disturbances
- Changes in personality
- Loss of Consciousness

Any of these symptoms and signs can occur within minutes of exposure.

In case of exposure:

- **Leave the area and get fresh air immediately.**
- **Seek medical attention. Be sure to inform your physician that you suspect CO poisoning.**

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NYMEX Settlement: \$3.7280
 Inside FERC/DTI: \$2.0800 (Basis: -\$1.6480)
 Inside FERC/TCO: \$3.6300 (Basis: -\$0.0980)
 NYMEX 3-day Average: \$3.6460

DECEMBER 2014

NYMEX Settlement: \$ 4.2820
 Inside FERC/DTI: \$2.9700 (Basis: -\$1.3120)
 Inside FERC/TCO: \$4.2100 (Basis: -\$0.0720)
 NYMEX 3-day Average: \$4.2330

OIL PRICING 2014**ERGON OIL PURCHASING WEST VIRGINIA MONTHLY AVERAGE**

October Ohio Tier 1: \$83.4658
 October Ohio Tier 2: \$80.4658
 October Ohio Tier 3: \$77.4658
 October West Virginia Tier 1: \$83.4658
 October West Virginia Tier 2: \$80.4658
 October West Virginia Tier 3: \$77.4658
 October Marcellus/Utica Condensate: \$61.2400
 October Marcellus/Utica Medium: \$ 83.4658
 October Marcellus/Utica Light: \$77.4658

November Ohio Tier 1: \$74.6473
 November Ohio Tier 2: \$71.6473
 November Ohio Tier 3: \$68.6473
 November West Virginia Tier 1: \$74.6473
 November West Virginia Tier 2: \$71.6473
 November West Virginia Tier 3: \$68.6473
 November Marcellus/Utica Condensate: \$52.1473
 November Marcellus/Utica Medium: \$74.6473
 November Marcellus/Utica Light: \$68.6473

Tier 1 - 150 + net barrels of crude oil

No more than 2% BS&W (if the BS&W is over 2% it will then qualify for Tier 2 pricing)

Tier 2 - 60-149.99 net barrels of crude oil

Two Stops within 5 miles

Tier 3 - 30-59.99 net barrels of crude oil

The prices as posted are based upon computation of volume by using tank tables, or as measured by a deduction for all BS&W and correction for temperature deductions or allowances shall be made on the oil purchased shall be free of contamination and/or alteration by foreign substances or chemicals not associated with virgin crude oil. These include but are not restricted to, oxygenated and/or chlorinated compounds.

The Marcellus/Utica Shale produced crude oil will be purchased based on the monthly average for the following postings:
 38.0-49.9 API Gravity—**Marcellus/Utica Medium** crude oil
 50.0-59.9 API Gravity—**Marcellus/Utica Light** crude oil
 60.0+ API Gravity—**Marcellus/Utica Condensate** (formerly posted as Appalachian Sweet Light-ALS).
 Other parameters will be evaluated on a farm by farm basis.

You can now find EOP WVA Crude oil Price Bulletin on the internet at:
www.ergon.com

OIL PRICING 2014**AMERICAN REFINING GROUP AVERAGE**

10/11 to 10/20 Group 1 OH: \$82.47
 Group 2 OH: \$79.47
 Group 3 OH: \$76.47
 10/21 to 10/31 Group 1 OH: \$80.34
 Group 2 OH: \$77.34
 Group 3 OH: \$74.34
 11/1 to 11/10 Group 1 OH: \$77.70
 Group 2 OH: \$74.70
 Group 3 OH: \$71.70
 11/11 to 11/20 Group 1 OH: \$74.72
 Group 2 OH: \$71.72
 Group 3 OH: \$68.72
 11/21 to 11/30 Group 1 OH: \$71.52
 Group 2 OH: \$68.52
 Group 3 OH: \$ 65.52
 12/1 to 12/10 Group 1 OH: \$64.54
 Group 2 OH: \$61.54
 Group 3 OH: \$58.54

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Group 2 (OH/PA/NY) - 60.0-149.99 net barrels from a single location

Group 3 (OH/PA/NY) - 30-59.9 net barrels from a single location

For questions relating to ARG Group Pricing or Utica / Marcellus Shale pricing, please contact:

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(Continued from page 10)

Appalachian Resins announced that it will [build](#) a \$1 billion facility in Monroe County that will be able to process approximately 18,000 barrels per day of ethane into ethylene and polyethylene, the feedstock for plastic and many other items we use in our daily lives. The facility is expected to begin operating in early 2019 and will produce 600 million pounds of ethylene/polyethylene per a year. This new feedstock has the potential to reinvigorate the manufacturing sector in the region, which will, in turn, increase investment and jobs in the Ohio Valley.

For more information, click on this link; <http://energyindepth.org/ohio/new-natural-gas-plant-up-and-running-in-eastern-ohio/>

Utica Facts and Numbers:

The Utica gas production has been added to the Energy Information Agency's Monthly Drilling Report as of August, 2014. Since January 2012, production has increased from 155 million cubic feet per day (MMcf/d) to approximately 1.667 billion cubic feet per day (Bcf/d). Utica's production per rig has also steadily improved.

Horizontal wells in the Utica shale in the eastern part of the state produced more natural gas the second quarter than all of the Ohio wells combined in 2012, reports the Ohio Department of Natural Resources.

Third Quarter Production Results:

Production from horizontal oil and gas wells across the state was 49% higher during the third quarter compared to the second quarter, according to a newly released report from the Ohio Department of Natural Resources. Horizontal shale wells in Ohio produced three million barrels of oil and 132 billion cubic feet of natural gas during the three months ended Sept. 30, ODNR said.

Oil production increased more than 546,000 barrels during the period and natural gas production rose by 43 billion cubic feet. The report lists 717 wells, of which 674 reported production results, ODNR said. Forty-three wells reported no production because they still await pipeline infrastructure.

Utica wells each produced an average of 4,471 barrels of oil and 195 million cubic feet of natural gas, ODNR said. Production periods ranged from one to 92 days, with an average well production period of 75 days.

The highest-producing oil well in the state was Pittsburgh-based CNX Gas Co.'s Reserve Coal Properties Co. well in Noble County, ODNR reported, with 50,159 barrels of oil over 86 days of production.

Denver-based Antero Resources' Gary 3H well in Monroe County produced the most natural gas, 1.7 billion cubic feet during 90 days, and is thus by far the biggest producing natural gas well on record in Ohio, according to ODNR data.

AS of November 29, 2014, there have been 1,652 Utica Shale permits issued in 23 counties in Ohio to 29 companies, and 1,204 of them have been developed. The counties are listed below.

Ashland, Belmont, Carroll, Columbiana, Coshocton, Geauga, Guernsey, Harrison, Holmes Jefferson, Knox, Mahoning, Medina, Monroe, Muskingum, Noble, Portage, Stark, Trumbull, Tuscarawas, Washington, and Wayne.

There are currently 674 Utica Shale wells in production, with 45 rigs running.

MARCELLUS SUPPLY UPDATE:

It has been reported by the EIA that the Marcellus Shale gas has hit 15 BCF per day in July, 2014.

Use of Data:

The information contained in this document is compiled and furnished without responsibility for accuracy and is provided to the recipients on the condition that errors or omissions shall not be made the basis for a claim, demand or cause of action. The information contained in this document is obtained from recognized statistical services and other sources believed to be reliable, however we have not verified such information and we do not make any representations as to its accuracy or completeness.

Disclaimer:

Neither the information, nor any opinion expressed, shall be construed to be, or constitute, an offer to buy or sell or a solicitation of an offer to buy or sell any futures, options-on-futures, or fixed price natural gas. From time to time, this publication may issue reports on fundamental and technical market indicators. The conclusions of these reports may not be consistent.



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**LEADERS
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(Continued from page 1)

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- Common terminology and types of equipment used during oilfield activity
- Hands-on techniques for responding to potential incidents, including live demonstrations

“The mission of the firefighters and the industry is the same; to make sure at the end of the day, everyone safely goes home,” said Eric Smith, Chairman of the OOGEEP Board of Directors and oil and gas producer. “Our industry clearly recognizes our role as good neighbors and corporate citizens and that’s why we’ve funded training for hundreds of firefighters and will continue to do so.”

Since 1999, OOGEEP has trained more than 1,200 firefighters from Ohio and seven other states. The training curriculum was collaboratively developed by OOGEEP, the oil and gas industry, regulatory agencies, firefighters and emergency response experts and meets state and federal fire safety standards.

“Firefighters who live and work near oil and gas activity must know how to effectively and safely respond to potential emergencies and this training gives them that knowledge,” said Charlie Dixon, OOGEEP Safety and Workforce Director. “Ohio’s oil and gas producers continually demonstrate their commitment to firefighters through donations, education and training and we thank the industry for their willingness to work with the fire service throughout Ohio.”

The program is endorsed by the Ohio Society of Fire Service Instructors, Ohio Fire and Emergency Services Foundation and the Ohio Fire Chief’s Association. OOGEEP holds multiple training sessions each year at a dedicated center located at the Wayne County Regional Fire and Rescue Training Facility.

About the Ohio Oil & Gas Energy Education Program

The Ohio Oil & Gas Energy Education Program (OOGEEP) is a nonprofit organization responsible for public outreach on behalf of Ohio’s natural gas and crude oil industry. The mission of OOGEEP is to facilitate educational, scholarship and safety programs, and to promote public awareness about the industry and its positive impact on the economy. For more information, visit www.oogEEP.org.



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West Virginia Tank Act Important Dates

- June 6, 2014 - Statute becomes effective
- June 10, 2014 - Registration period opening
- Sept. 1, 2014 - NPDES General Permit holders having ASTs within the zone of critical concern must have applied for an NPDES Individual Permit (W.Va. Code §22-31-9)
- Oct. 1, 2014 - All tanks must be registered (W.Va. Code §22-30-4)
- Dec. 3, 2014 - Spill Prevention Response Plan Submittals due (W.Va. Code §22-30-9)
- Jan. 1, 2015 - Inspections and certifications of all ASTs by a qualified person due (W.Va. Code §22-30-6)

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Ohio Anti-Fracking Activists Want to Delay First Responders from Receiving Important Information

By Jackie Stewart Email: jackie@energyindepth.org, Canfield, Ohio November 24, 2014

Back in October of 2013, Energy In Depth reported on how anti-fracking activists in Ohio were [trying to slow down first responders](#) with added bureaucracy, based on dubious assumptions about regulatory exemptions. In that report, we discussed how disastrous it could be if first responders were sent back to the stone ages by being forced to add layers of bureaucracy by having to leaf through paper records to gain access to important information required under the Emergency Planning Community Right to Know Act of 1986 (EPCRA).

Since our report, there has been a lot of activity going on regarding this matter, as it is clear that this antiquated system of paper reporting is a nightmare. This past weekend, the Columbus Dispatch wrote a story regarding this subject matter entitled "[Bill alters reporting of fracking chemicals in Ohio.](#)"

The article alleges that the way companies report hydraulic fracturing chemicals would be changed under new provision of recently passed [HB 490](#). First and foremost, EPCRA is not specific to just the oil and gas industry. Second, the way in which the information is being captured via the online system is the same system that first responders in Ohio have been using since 2001. The environmental activists wanted to see that system changed to a paper system, and they were sorely disappointed to learn that, under U.S. EPA guidelines, the states were given flexibility to capture that information the way they see fit. So what we are seeing here is not only a misrepresentation of facts, but a good old fashioned case of sour grapes by the anti-fracking community. As a point of fact, Ohio is leading the way not only by complying with federal statute, but getting ahead of the curve with HB 490, which includes guidelines that provide more transparency and timely access to information through a web based system. But don't take my word for it; take a look at the history of this issue and the facts to debunk the misleading claims found in the above article.

As a reminder, Congress passed EPCRA as a means of supporting local emergency planners and responders with information concerning potential chemical hazards

present in their communities. It's important to note that the individual states were given the flexibility to implement EPCRA in a manner that would best suit them. This issue of jurisdiction — if the states have the authority versus the federal government, and the issue of how information is captured — through an outdated paper system or via a website, is really the heart of the most recent discussion. Ohio activists would like you to believe that the state does not have the jurisdiction regarding the implementation of the Emergency Planning Community Right to Know Act, prolonging an ongoing effort to have the federal government completely regulate every aspect of hydraulic fracturing.

However, the facts simply do not support their attempts to mislead the public. For example, on [July 13, 2010](#) the EPA published guidelines, which outlined various reporting options available to them. One of those options included the state's choice to use the State Emergency Response Commission (SERC) or Local Emergency Planning Committees (LEPC) and the local fire departments' joint access to information outlined in federal statute under EPCRA. In short, federal law says that Ohio can use SERC so long as it meets EPCRA requirements. How that information is obtained, paper reporting or through a website, is a moot point. As a reminder, what Ohio did back in 2001 through House Bill 94, revolutionized the filing requirements and streamlined the process by utilizing a website. This was cutting edge at the time, and still is to this day.

Recently the Ohio statehouse decided to dive into this issue again, beefing up this existing web based system and further ensuring that our first responders are given the information they need. This is yet another example of Ohio continuing to lead in regulatory reforms as the development of oil and natural gas continues. HB 490, 1509.231 which was recently passed, includes information on this matter. In it, we see specific language which states that the information submitted through the online database will:

(Continued on page 25)

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Obituaries



Carl D. Perkins, 92, of St. Marys, WV, departed this life on Wednesday, November 12, 2014, at his residence.

Carl was born July 3, 1922 in Pennsboro, WV (Mole Hill Community) a son of the late Andy and Ethel (McCullough) Perkins. In 1947, Carl became the founder of Perkins Oil & Gas of Pennsboro, WV. Later in 1976, he became the founder of New Martinsville Supply and in 2001, the

founder of Perkins Supply. Carl genuinely loved to work and loved the oil and gas industry. Carl continued working and checking wells up to when he got sick three weeks ago. He was a proud veteran of the US Navy during World War II and was a graduate of Pennsboro High School.

He is survived by his loving wife of 65 years, Louise (Fortney) Perkins; daughter, Carla Parks (Dave) of St. Marys, WV; daughter in law, Judy Perkins of Newport, OH; grandchildren, Clay Perkins (Rhonda) of Newport, OH; Clinton Perkins of Weirton, WV; Darren Parks (Terri) of St. Marys, WV; Drew Parks (Megan) of Myrtle Beach, SC; great grandchildren, Carrie, Amber, & Lane Perkins and Addison & Desmond Parks; sister, Mabel Martin of Reno, OH and brother, Bill Perkins (Ruth) of Pennsboro, WV (Mountain Community)

In addition to his parents, he was preceded in death by his son, Deryl Perkins; sisters, Clara Wilte and Orma Crabbe; brother in laws, Edward Wilte, Bill Crabbe, and Leroy Martin.

Carl was an Honorary Lifetime Member of the Southeastern Ohio Oil and Gas Association.

In lieu of flowers, the family requests the donations in Carl's name be made to either the WV School of Preaching, 4th Street & Willard Ave, PO Box 785, Moundsville, WV, 26041 or the WV Christian Youth Camp, 207 Fairmont Ave, Fairmont, WV 26554.



H. Dale Silvis Jr., 69, of Cranberry, PA, went home to be with Jesus for Christmas on Thursday morning, Dec. 18, 2014.

He was born Jan. 6, 1945, in Oil City, to the late Henry D. and Hazel (Donaldson) Silvis.

He was a 1962 graduate of Cranberry High School and later served in the U.S. Army Reserves.

Mr. Silvis was a member of the Seneca Evangelical Congregational Church.

Dale was an avid hunter and fisherman and enjoyed the outdoors, golfing and sports. He was a wonderful father and grandfather.

He began a career in the oil industry with Quaker State, where he worked for 15 years as a crude oil buyer and a traffic manager. He then became self-employed in the oil industry, owning and operating McLan, Inc. He later worked for American Refining, before owning H&D Logistics and Cranberry Oil and Gas. He was most recently employed as a crude oil buyer for Ergon.

He was married Sept. 5, 1964, in the Van United Methodist Church to the former Norene E. Goodman, and she survives.

Also surviving are two children, Jodi Sue Silvis-Eaglesham and her husband John of Cranberry, and Henry "Hank" Silvis III and his wife Kimberly of Cranberry; four grandchildren, Henry Silvis IV, and Tristan, Justin, and Lilly Silvis.

He is also survived by a sister, Joan Silvis Fike and her husband John of Vermont; three sisters-in-law, Nancy Miller, Vonda Hartmann, and Judy Hovis and her husband Sam; two brothers-in-law, Larry Zimmerman and Gordon Goodman; and numerous nieces and nephews whom he loved very much.

In addition to his parents, he was preceded in death by a sister-in-law, Bette Zimmerman; and two brothers-in-law, Jack Miller and Jake Goodman.

In lieu of flowers, memorial contributions may be made to the Seneca E.C. Church, 2844 Route 257, Seneca 16346; or to the Heartbreak Hotel Hunting Camp, c/o Chuck Weaver, 780 Whitehill Road, Cranberry, 16319.

(Continued from page 20)

Ohio Anti-Fracking Activists - Cont.

Ensure that the information submitted for the database will be made immediately available to the emergency response commission, the local emergency planning committee of the emergency planning district in which a facility is located, and the fire department having jurisdiction over a facility; (3) Ensure that the information submitted for the database includes the information required to be reported under section 3750.08 of the Revised Code and rules adopted under section 3750.02 of the Revised Code. (C) As used in this section, “emergency planning district,” “facility,” and “fire department” have the same meanings as in section 3750.01 of the Revised Code.

It is very clear that in Ohio, the metrics by which we adhere to federal statute are more efficient and effective with regard to chemical disclosure and access to information in emergency situations. The anti-development groups either have not read the EPA guidelines, or simply want to mislead the public about clear statutory obligations and provisions. The Ohio Department of Natural Resources continues to do its part by not only maintaining records and a system that has worked for first responders for the past 13 years, but through HB 490 we see the agency trying to improve upon the database by continuing to provide information quickly to emergency personnel to protect the health and safety of our communities.

The website is real time and accessible, which is exactly why the [Ohio Fire Chiefs Association](#) wrote a letter supporting the online system. If health and safety were of first priority for these activists groups, they would not be opposing the passage of HB 490, but instead encouraging these proactive measures by ODNR to move forward through the statehouse process.



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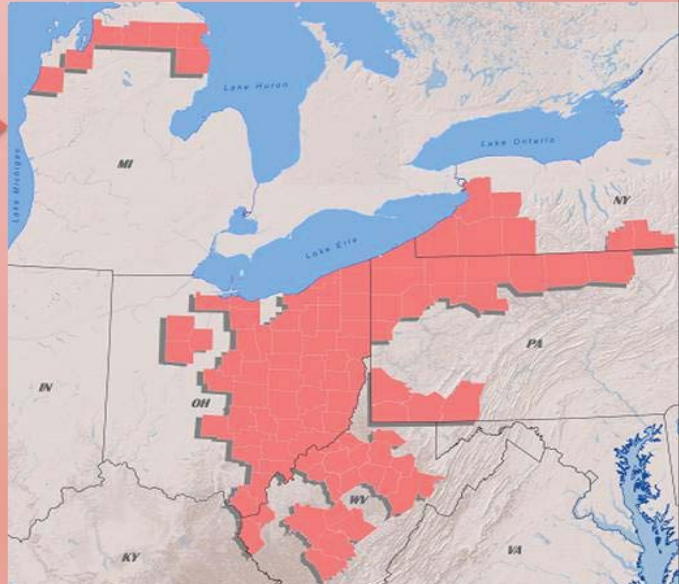


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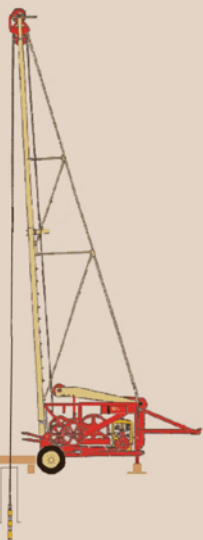
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New rules set on radiation levels in fracking waste

Posted: Friday, November 21, 2014 3:00 am, By: Sarah Plummer REGISTER-HERALD REPORTER

The West Virginia Department of Environmental Protection has released rules on the level of radioactive natural gas drilling mud that can be accepted at state landfills where detectors have been installed.

DEP spokeswoman Kelley Gillenwater said, according to agency emergency rules, all landfills that accept drill cuttings have monitors that will sound if radiation exceeds 10 microrem per hour above levels already naturally occurring at the location, or “background” levels.

According to the U.S. Department of Energy, a dental or chest X-ray exposes patients to 10 millirem of radiation, or 1,000 times the amount allowed in West Virginia landfills.

Radiation naturally exists in soils, ores and water, but can exist in higher levels in the Marcellus shale. Naturally occurring radium is a byproduct of the fracking process and can be concentrated in drilling mud. Only landfills in the state that have installed radiation detectors may accept the drilling waste.

During this week’s interim meeting in Charleston, Mike Dorsey, director of emergency response and homeland security for the Department of Environmental Protection, told legislators that West Virginia wanted regulations similar to those in surrounding states. But with state regulatory bodies publishing different units of measurement, a state-by-state comparison is difficult for nonspecialized citizens.

Morgan Wagner, deputy press secretary for Pennsylvania’s DEP, said landfills there accept waste under 10 micro-roentgen per hour above background levels, and if an alarm goes off, the facility operator must identify the type of material and the specific radioactive isotope. If levels are over 50 milli-roentgen per hour, the DEP must be contacted immediately.

Ohio landfills may not accept material with radiation concentrations greater than five picocuries per gram above natural background levels, according to Matt Eiselstein, with the Ohio Department of Natural Resources.

According to the West Virginia DEP, picocuries are derived from exposures rates (roentgen and rem), but the specific isotope and its concentration must be known.

Pennsylvania’s max level of 10 micro-roentgen is about 0.008696 millirem, although, again, the exact conversion isn’t possible without knowing the specific type of radiation or radioactive isotopes, according to an online conversion table.

Pennsylvania has additional rules for how many curies of specific isotopes per year can be accepted by landfills. Curies measure the radioactivity of a substance, unlike rem and roentgen, which measure radioactivity on people.

Exposure rates in West Virginia have been studied at the Wetzel County Landfill. All tests conducted measured at or below .015. The West Virginia DEP said once the emergency rule is implemented and alarms are tripped at landfills, they will be able to generate “activity data,” or data in picocuries.

Most naturally occurring sources of radiation are monitored under the Atomic Energy Act; however, radiation from the oil and gas industry produced or concentrated during extraction does not fall under this act. Regulation of this waste is therefore left to state agencies.

The Clean Air Act does permit the U.S. Environmental Protection Agency to establish emission limits for radium of 10 millirem.

The Safe Drinking Water Act authorizes EPA to limit the Maximum Contaminant Levels of radium and other radionuclides in publicly supplied drinking water. For 226 and 228 radium, the max is 5 picocuries per liter.

Gillenwater said five landfills in West Virginia have the required radiation detectors and can apply for special waste permits to accept drill cuttings: Brooke County Landfill, Wetzel County Landfill, Meadowfill Landfill in Harrison County, Northwestern Landfill in Wood County and Short Creek Landfill in Ohio County.

“Each special waste permit application is carefully reviewed by WVDEP Division of Water and Waste Management officials before being approved or denied,” she said. “Those same officials also carefully monitor each landfill to ensure that all are meeting the requirements of the law and doing all that can be done to safeguard public health and the environment.”

(Continued to page 33)



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Members- Please read the following letter, submitted to Chief Simmers from the SOOGA Board of Trustees, regarding the efforts to complete the Emergency Planning and Community Right to Know Act (EPCRA) modifications to the ODNR on-line reporting database. SOOGA continues to fight for our members.

December 5, 2014

Richard Simmers
Chief, ODNR Division of Oil and Gas Resources Management
2045 Morse Road, F-3
Columbus, OH 43229

Dear Chief Simmers,

The Board of Directors and Members of the Southeastern Ohio Oil and Gas Association (SOOGA) respectfully write today regarding the Emergency Planning and Community Right to Know Act (EPCRA). We write seeking a status update regarding the improvement of ODNR's emergency response database and urge your Division to take the steps necessary to ensure Ohio's oil and gas producers can return to electronic EPCRA reporting, fulfilling requirements outlined by law and simplifying information gathering for local first responders.

As you are well aware, the recent inaccurate assumptions of a few have overshadowed the positive and cooperative efforts of so many who developed Ohio's innovative response to EPCRA reporting. The Oil and Gas Emergency Website, housed on your website, has been heralded as an innovative tool by both the State Review Oil and Natural Gas Environmental Regulation and the Council of State Governments. It not only meets the requirements set forth for EPCRA, but also offers other useful information not required by EPCRA.

The directive issued last year by the State Emergency Response Commission required Ohio's oil and gas producers to return to the cumbersome paper filing system that was eliminated in 2001 by House Bill 94. This burdensome paper filing is a disservice to the community and is counterproductive to the intent of the law to make disclosure readily available

More than a year ago, SOOGA reached out to the United States EPA to receive guidance on the memorandum. A series of letters and meetings followed in which a sensible solution, meeting or exceeding all federal and state requirements, was determined. This solution utilizes ODNR's current online reporting system, and does not burden local firefighters with an unreasonable amount of paperwork they must store and will likely never access in an emergency.

Continued cooperative efforts culminated in a meeting on January 29, 2014. Attendees included state and federal elected officials and representatives from Ohio EPA (OEPA), ODNR, OOGEEP, Ohio Fire Chiefs Association, OOGA, SOOGA and Vorys Law firm. The meeting included all the relevant stakeholders and was very productive. ODNR and OEPA showed willingness to help resolve these issues through an update to the ODNR webpage to allow the industry to continue to report EPCRA information through one state database.

Since this meeting, there has been little to no visible progress on implementing this industry wide, common sense and safer solution. The USEPA has provided written guidance confirming OEPA and ODNR authority to collect and maintain EPCRA requirements through an online database. ODNR has indicated a database update was already planned and this change could be easily incorporated. Recent media reports indicate ODNR is waiting on legislative action (HB 490) to receive another level of assurance it can collect the EPCRA data. Our impression is this additional level of assurance is not contingent for the completion of the online database update.

We respectfully request clarification of the above-mentioned issue and urge you to undertake a concerted and timely effort to update the online reporting database. We also cordially request the current status and estimated completion of this work. If there is any way in which we can assist you in your efforts, please do not hesitate to ask. Ohio's producers, regulators and first responders worked together to solve this issue more than a decade ago; we can do so again if necessary.

SOOGA is comprised of 500 members, and of those, 100 or more are primarily small independent operators. Our members personally work with emergency planners and first responders to make sure they have all of the information necessary in case of an emergency. The members are striving to effectively remain in compliance and provide all relevant information, in a usable format, to those who may require it.

Respectfully Submitted,

Jim Javins
President, Southeastern Ohio Oil and Gas Association



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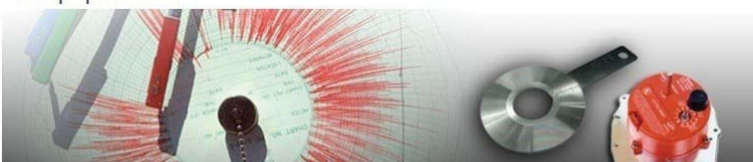
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(Continued from page 28)

An Explanation of Radiation-related terms By: Sarah Plummer Register-Herald Reporter

Radiation—People are exposed to radiation each day through food, air and water. Most of our exposure occurs naturally and is measured in exposure per hour or per year. The U.S. Department of Energy says people receive about 360 millirem of radiation per year, 60 millirem of which is man-made, like X-rays and smoking cigarettes. Smoking one pack of cigarettes a day equals a 15-20 millirem per year exposure.

Rems— One of two standard units used to measure the degree and effect radiation has on human tissue.

Millirem is one thousandth of a rem.

Microrem is one millionth of a rem

Roentgen (rent-gihn) - One of two standard units to measure radiation exposure on humans. Specifically it measures X-rays or gamma rays.

Milli-roentgen is one-thousandth of a roentgen.

Micro-roentgen is one-millionth of a roentgen.

Curies—Is a unit that measures how much radioactivity is present in a substance. Unlike the other two measurements, curies measure radioactive levels, not the effect on people and is measured by weight or volume.

Picocuries (pee-koh-kyur-ees) - One trillionth of a curie.



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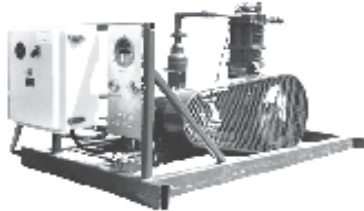
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