

Permit Conditions for Oil and Gas Wells

Sensitive Ground Water Settings

Sensitive areas include drinking water source protection areas (aka wellhead protection areas), 100 gpm unconsolidated aquifers and shallow karst or fractured bedrock aquifers. Ohio EPA has provided updated GIS data for drinking water source protection area and public water supply wells to the Division of Geological Survey.

It is a high priority for ODNR/Division of Oil & Gas Resources Management ("Division") to have an inspector on-site to ensure proper well drilling, installation and logging (including appropriate casing, use of centralizers and cementing) when located in a source water protection or sensitive geologic areas.

One-Year Time-of-Travel (TOT) Source Water Protection Areas

It is preferred that oil and gas wells not be drilled within the one-year TOT of a drinking water source protection area delineated for community public water system or a nontransient noncommunity public water system serving a school. ODNR cannot explicitly prohibit the installation of an oil/gas well within the one-year TOT, however, ODNR will work with the owner/operator to evaluate whether an alternative drill site location within the lease area could be selected to minimize the risk to the public water system.

Pits or impoundments containing oil field fluids including drilling, hydraulic fracturing flowback water will not be located within the one-year TOT of a drinking water source protection area for a community public water system using ground water. ODNR will require steel tanks with secondary containment to manage fluids in the delineated one-year TOT source water protection areas.

If drilling does occur within the one-year TOT of a drinking water source water protection area, ODNR will require all public water supply wells associated with that area to be sampled in accordance with guidelines provided in the Division of Mineral Resources Management's BMPs for pre-drilling water sampling.

Highly Susceptible Five-Year Time-of-Travel (TOT) Source Water Protection Areas

It is preferred that pits or impoundments containing oil field fluids including drilling, hydraulic fracturing flowback water not be located within the outer management zone (5 year TOT) of a drinking water source protection area for a community public water system, or nontransient noncommunity public water system serving a school, determined to have a high susceptibility to ground water contamination.

As an alternative ODNR will encourage the use of steel tanks with secondary containment. If a pit is used within highly susceptible five year TOT source water protection area ODNR will require a synthetic liner and closure within 14 days from ceasing drilling activity at the site including removal of all liquids, solidification and removal of remaining solids (i.e. cuttings) and liners.

If drilling occurs within the 5 year TOT of highly susceptible drinking water source water protection area ODNR will require the owner/operator to sample all public water supply wells associated with that area in accordance with guidelines provided in the Division of Mineral Resources Management's BMPs for pre-drilling water sampling.

Sensitive Geologic Settings (unconsolidated aquifer system capable of sustaining a yield of 100 gallons per minute and shallow karst or fractured bedrock)

The Division will continue to apply the Thin Till permit conditions for fractured bedrock as has been the practice since the 1980's. These conditions specifically address the criteria for when a pit can be constructed or steel tanks are required. They also contain the requirements for pit construction.

In an unconsolidated aquifer system capable of sustaining a yield of 100 gallons per minute, the Division will monitor the occurrence of drilling activity and will share this information with the OEPA for a period of one year. At the end of this time, both agencies will evaluate the need to amend this document accordingly.

Stormwater BMPs for > 1 Acre Disturbed Land Area

ODNR will recommend the following stormwater controls for any drill pads larger than one acre in size. ODNR oil and gas inspectors will perform a presite review before issuing a Marcellus or Utica/Point Pleasant shale drilling permit.

- Establish positive drainage from all disturbed areas to a sedimentation basin, or equivalent, sized in accordance with standards found at <http://www.dnr.state.oh.us/tabid/9186/default.aspx> or subsequent BMP's developed by the Division. The sedimentation pond shall be separate from any pits/ponds constructed for containing drilling fluids, cuttings or flowback water.
- Isolate the site to prevent stormwater run-on through the site.
- Ensure containment and proper disposal of all drilling fluids associated with all operations including fluids associated with the setting of the casing and plugging operations.
- Minimize vehicle drag out of mud onto public streets through the use of a stabilized entrance to the site or wheel wash station if necessary.

Gene Chini 330-896-0947 10/6 @
Oil + Gas 1104

Q re: flowback sampling
- want actual stuff, or
want red meter levels

Chesapeake has concerns about
CoC for samples leaving
site

Eric Denison

From: David Lipp
Sent: Wednesday, November 16, 2011 10:28 AM
To: Eric Denison
Subject: Shale Well Sampling

Eric,

Have you heard anything from ODNR about the sampling?

David R. Lipp
Health Physicist Supervisor
Bureau of Radiation Protection, Technical Support
Ohio Department of Health
(614) 728-0884
david.lipp@odh.ohio.gov

Gene Chini (330 - 896 - 0947)
11/17/11 @ 1355
- he hasn't heard from
Stephanie since we had
contact last month
- arrange directly between
ODH and CTE w/ copy
to ODNR for accompany-
us on site
- he'll call Stephanie to
see where trip stand
and will call back

6. Rule Writing

- A) REC - Dwight ?
- B) RMC - ?

7. Safety

- A) "Safety Month" training - Develop a schedule
- B) Safety Equipment List
- C) Radiation Safety Manual / Radiation Safety Procedures
- D) FRMAC Health and Safety Manual

8. Special Assistance and Projects

Shale gas TENORM sampling project

RRVC - Steve wants to go ahead w/ program regardless of CRCPO grant

- contacts w/ Cincinnati Radiation Society
- interests from other people and organizations

- need to call them back (no reply from ODNR or Cheapochee)

- landfill wants to know if they can take cuttings
- consultant wants to know what limits exist for NORM in a Haz Waste landfill
- ready to order supplies when we get a schedule

2011 STATE LEGISLATIVE UPDATE: HYDRAULIC FRACTURING

STATE	BILL	TITLE	SUMMARY	STATUS
AR	HB 1392	An Act to Create a Program for Annual Inspection of Gas Wells	<p>Defines "Hydraulic fracturing treatment" as stimulating a well by the application of hydraulic fracturing fluids and additive with force in order to create artificial fractures in the formation for the purpose of improving the capacity to produce hydrocarbons.</p> <p>Provides that the Oil and Gas Commission shall inspect: (A) new well site at least once while the drill pad construction is underway; (b) Well at least once when casing is set and cemented; (c) Well at least once while hydraulic fracturing treatment is occurring; and (D) Well annually during gas production or when idle. The Commission may conduct inspections as often as necessary at any point during the lifetime of the well and shall inspect a well site within 48 hours of a compliant.</p> <p>The Water Division of the Arkansas Department of Environmental Quality shall inspect each: (A) New well site at least once while the drill pad construction is under way and (B) Road and pipeline construction corridor providing access to a new well site. The Department of Environmental Quality may conduct inspections as often as necessary at any point during the lifetime of the well and shall inspect a well site within 48 hours of a compliant</p> <p>The Commission and the Department shall determine the staffing and technical capacity to perform inspections and create a cross-training program. Each shall create and file an annual report to contain the information outlined.</p> <p>The Commission and the Department shall immediately issue a stop work order, unless that action would cause safety hazards or additional environmental harm if a time-critical operation is interrupted, followed by an inspection at sites of gas production infrastructure that have a potential sign of leakage or a significant threat to water quality.</p>	Recommended for study by Joint Interim Committee on AGRICULTURE, FORESTRY & ECONOMIC DEVELOPMENT-HOUSE
AR	HB 1394	An Act to Protect	Provides that the Arkansas Pollution Control and Ecology Commission shall initiate	Recommended

*David -
this is
the only
Shale file
on my
C: drive.
Eric*

STATE	BILL	TITLE	SUMMARY	STATUS
		Arkansas' Water in Areas Affected by Gas Drilling Operations	<p>rulemaking to require oil and gas developers using hydraulic fracturing treatment when drilling to use the US Bureau of Land Management Gold Book Best Management Practices, as in effect on February 1, 2011, and industry-made reasonable and prudent practices for stabilization to provide for safe and efficient operations while minimizing undesirable impacts to the environment, including without limitation pollution.</p> <p>Depending on availability of resources, the Arkansas Department of Environmental Quality shall review the cumulative impact of multiple well sites and associated infrastructure within the same watershed. If a surface owner or surface tenant provides credible evidence to the Arkansas Department of Environmental Quality or the Arkansas Oil and Gas Commission of pollution of a fresh water supply that is within two thousand five hundred feet (2,500') of an oil or gas well, the well operator shall test all fresh water supplies within two thousand five hundred feet (2,500') of the well within sixty (60) days and make test results available to any surface owners, surface tenants, and the public.</p> <p>The Arkansas Pollution Control and Ecology Commission shall initiate rulemaking to: (1) Require synthetic liners, clay liners, or both in all pits with strength and design consistent with the best available state regulatory and industry best practice standard; (2) Limit the period of time that fluids can be stored consistent with current scientific information and the public interest; (3) Require signage to warn the public and, when deemed necessary by the Arkansas Oil and Gas Commission, fencing and netting to protect wildlife from the dangers of open pits; (4) Require pit contents and used pit liners to be disposed offsite in accordance with all applicable laws; and (5) Require the installation of leak detection systems.</p> <p>The Arkansas Oil and Gas Commission shall initiate rulemaking to update casing requirements to incorporate the American Society for Testing and Materials International cementing and casing standards, as in effect on January 1, 2011, and the American Petroleum Institute cementing and casing standards, as in effect on</p>	for study in the Interim by Joint Interim Committee on AGRICULTURE, FORESTRY & ECONOMIC DEVELOPMENT- HOUSE – 3/24/11

STATE	BILL	TITLE	SUMMARY	STATUS
			<p>January 1, 2011, and require intermediate casing in areas where wells pass through fresh water.</p> <p>The Arkansas Oil and Gas Commission shall: (A) Conduct and publish a risk assessment of the likelihood of cementing and casing failures; (B) Identify the potential risks to water supplies if a casing were to fail; and (C) Require that well operators always use at least two (2) layers of casing, install centralizers, and pressure test all casing consistent with the best regulatory and industry practice.</p>	
AR	HB 1395	AN ACT TO PROTECT AIR QUALITY IN THE VICINITY OF NATURAL GAS DRILLING FIELDS.	The Arkansas Pollution Control and Ecology Commission shall initiate rulemaking on the effective date of this act to: (1) Require that an oil and gas developer take all economically feasible measures to reduce or eliminate air emissions during gas drilling, production, transportation, and waste disposal; and Require an oil and gas developer to monitor and report air quality for air pollutants regulated under either the Clean Air Act, 42 U.S.C. § 7401 et seq., or Arkansas law if: (a) A drill pad is within one thousand feet (1,000') of a habitable dwelling; or (b) The Arkansas Department of Environmental Quality determines that there is a reasonable risk of air pollution due to the cumulative effect of multiple wells located in the same geographic area.	Recommended for study in the Interim by Joint Interim Committee on AGRICULTURE, FORESTRY & ECONOMIC DEVELOPMENT-HOUSE on 3/25/11
AR	HB 1396	AN ACT TO REQUIRE FULL DISCLOSURE REGARDING NATURAL GAS DRILLING CHEMICALS.	To require full disclosure regarding natural gas drilling chemicals. The bill calls on the drilling companies to disclose the volumes and source of water used, as well as chemicals, quantities and disposal methods.	Recommended for study in the Interim by Joint Interim Committee on AGRICULTURE, FORESTRY & ECONOMIC DEVELOPMENT-HOUSE on 3/25/11
CA	AB 591	Oil and gas production:	This bill would define hydraulic fracturing and require a person carrying out hydraulic fracturing on behalf of an owner or operator at a well to provide to the owner or	In Senate Appropriations

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		hydraulic fracturing.	<p>operator a list of the chemical constituents used in the hydraulic fracturing fluid and the amount of water and hydraulic fracturing fluid recovered from the well. The bill would additionally require the history of the drilling of the well to include certain information regarding the amount and source of water used in the exploration or production from the well and the radiological components or tracers injected into the well. The bill would also require the history to include, if hydraulic fracturing was used at the well, a complete list of the chemicals used in the hydraulic fracturing and the amount and disposition of water and hydraulic fracturing fluid recovered from the well.</p> <p>The bill would require the owner or operator to submit to the supervisor information regarding the chemicals used in hydraulic fracturing, who would be required to add this information to existing Internet maps on the divisions Internet Web site and to make this information available to the public.</p> <p>This bill would require the State Oil and Gas Supervisor on or before January 1, 2013, and annually thereafter, to prepare and transmit to the Legislature a comprehensive report on hydraulic fracturing in the exploration and production of oil and gas resources in California.</p>	8/25/11
CO	HB 1172	Concerning Protection of Water Quality	The bill requires the department of public health and environment (department) and the Colorado oil and gas conservation commission (commission) to review the federal environmental protection agency's study regarding hydraulic fracturing fluids and to submit a report on the study to the general assembly. The bill also reenacts, with amendments, a law that was repealed on July 1, 2010, requiring the commission to report to the general assembly regarding complaints arising from oil and gas operations. The report must contain an evaluation of whether sufficient evidence or risk to ground or surface water posed by the use of hydraulic fracturing fluids in oil and gas operations from either normal operations or exceptions to normal operations exists to justify expenditures for additional monitoring or corrective actions.	Died in Committee
IL	SB 664	IL Oil and Gas Act Amendment	Amends the Illinois Oil and Gas Act. Requires each owner or operator that begins extracting natural gas from shale to report the information specified in certain	Re-referred to Rules 5/31/11

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			provisions within 30 days after the beginning of hydraulic fracturing stimulation. Requires the owners and operators of the affected wells to provide the Department of Natural Resources with specific information concerning, among other things: the geological names, a geological description, and the depth of the formation into which well stimulation fluids were injected; each stimulation fluid identified by additive type; and the chemical compound name and Chemical Abstracts Service (CAS) number for each additive used. Requires the owner or operator to provide a detailed description of the well stimulation design. Prohibits the use of volatile organic compounds, such as benzene, toluene, ethylbenzene, and xylene, or any petroleum distillates for the specified types of shale gas extraction using hydraulic fracturing. Requires the owners and operators of the affected wells to provide certain information about the reuse and disposal of well stimulation fluids. Provides that the Department shall adopt all rules necessary to enforce the provisions. Provides that the provision only applies to the extraction of natural gas from shale.	
IN	HB 1049	Indiana Code concerning natural and cultural resources	<p>A drilling operator that performs or intends to perform hydraulic fracturing on an existing or new Class II well that is subject to the Underground Injection Control Program shall submit an environmental compliance plan to the department for review and approval before the drilling operator may proceed with the hydraulic fracturing. An environmental compliance plan must contain at least the following information:(1) Well location and total depth, (2) A list of injection fluids and propping agents used in the hydraulic fracturing process, (3) the chemical constituents and additives used in, and wastes generated during, the hydraulic fracturing process,(4) A detailed geographic analysis of the well and its surrounding area, including the rock type and the direction and magnitude of regional tectonic stresses, (5) The results of any predrilling or prealteration survey performed on the well with respect to the hydraulic fracturing process and (6) An analysis of whether the proposed hydraulic fracturing process will pollute or otherwise endanger the water or land in Indiana.</p> <p>The department shall consider the following criteria when reviewing an environmental compliance plan: (1) The impact of the hydraulic fracturing process</p>	Died in Committee

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			<p>on the drilling operator's compliance with the federal Safe Drinking Water Act and (2) Whether the hydraulic fracturing process will pollute or otherwise endanger the water or land in Indiana. A drilling operator shall disclose: (1) the chemical constituents and additives used in; and (2) the wastes generated during; the fracturing process. However, a drilling operator is not required to submit to the department a proprietary chemical formula or the specific chemical identity of a trade secret chemical.</p> <p>If the department or an agent of the department, including a medical services professional, determines that: (1) a medical emergency exists; and (2) the proprietary chemical formula or specific chemical identity of a trade secret chemical is necessary for emergency or first aid treatment; a drilling operator shall immediately disclose to the department or its agent, as applicable, the proprietary chemical formula or specific chemical identity, as applicable. The department shall establish a procedure by which a drilling operator may comply with this subsection.</p>	
MD	SB 634	Marcellus Shale Safe Drilling Act of 2011	<p>The Department may not issue a permit for the drilling of a well in the Marcellus Shale until the permit applicant demonstrates: (1) a plan to avoid, minimize, and offset the impacts, including cumulative impacts, of drilling and related activities to wetlands, forests, or other vital natural resources, including fragmentation of forests and critical habitat, has been developed and can be implemented; (2) an agreement has been reached with local jurisdictions in the state through which heavy equipment or trucks may pass, regarding: travel routes, hours of truck travel and responsibility for the construction, maintenance, and repair of roads and bridges; (3) the drilling and operation of wells will not impair the sustainability, water quality, or potability of the groundwater and surface water in the watershed of the proposed permit; (4) the water used for drilling and hydraulic fracturing is from a public water supply that: has sufficient capacity under its water appropriation permit or is reclaimed water; (5) the fracturing fluids used for hydraulic fracturing contain only proppants and additives that have been approved by the department; (6) the treatment and disposal of flow back and other wastewaters and wastes will occur only at regulated facilities; (7) the permit applicant will implement a monitoring</p>	Died in Committee

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			program approved by the department to: establish a baseline of water quality for groundwater and surface water prior to the drilling and initial hydraulic fracturing and test the groundwater and surface water periodically to determine whether drilling and hydraulic fracturing have affected the groundwater and surface water; (8) a plan for emergency response for the proposed area has been developed and can be implemented – this includes an assurance that local emergency responders have appropriate protective e gear and equipment to attend to the injured and secure the site until the permit applicant's emergency response unit arrives.	
MD	HB 852	The Marcellus Shale Safe Drilling Act of 2011	Requires the Department of the Environment and the Department of Natural Resources jointly to convene a certain Advisory Commission; providing for the membership of the Advisory Commission; requiring the Department of the Environment and the Department of Natural Resources jointly to undertake a certain study in accordance with certain requirements; requiring the Department of the Environment and the Department of Natural Resources jointly to make a draft of a certain report available under certain circumstances; requiring the Advisory Commission to make certain recommendations; requiring the Department of the Environment and the Department of Natural Resources jointly to publish a certain report in accordance with certain requirements; prohibiting the Department of the Environment from issuing a certain permit under certain circumstances; requiring certain owners of a certain gas interest to file a certain notice with the Department of the Environment in accordance with certain requirements; requiring certain owners to pay to the Department of the Environment a certain amount of money under certain circumstances; establishing certain grounds for the denial of a certain permit, subject to a certain exception; requiring the Department of the Environment to deposit certain funds in the Oil and Gas Fund; requiring the Department of the Environment to make a certain refund under certain circumstances; authorizing certain funds to be deposited in the Oil and Gas Fund; requiring a certain amount of money to be used to pay for a certain study; authorizing the Department of the Environment to enter into certain agreements for goods and services under certain circumstances; defining certain terms; and generally relating to natural gas drilling in the Marcellus Shale.	Passed House; Died in Senate Committee

STATE	BILL	TITLE	SUMMARY	STATUS
MI	HB 4736	Amends the Natural Resources and Environmental Protection Act	If groundwater in the vicinity of a well used for hydraulic fracturing is determined to contain 1 or more hazardous substances that were injected into that well while conducting hydraulic fracturing, there is a rebuttable presumption that the person conducting the hydraulic fracturing is liable under section 20126 for the contamination present in the groundwater. As used in this section, "hydraulic fracturing" means fluid-driven fracturing of rock for the purpose of stimulating natural gas or oil production.	Referred to Judiciary 6/14/11
NC	HB 242	Natural Gas/Landowner Protection Study	This Act: (1) increases the amount of the bond required upon registration in order to drill for oil and natural gas in the state; (2) increases the amount of fees applicable to drilling and abandoning oil or gas wells; (3) establishes provisions for the protection of landowners relative to leases for oil and gas exploration; (4) directs the department of Environment and Natural resources to study the issue of oil and gas exploration in the state and specifically the use of directional and horizontal drilling and hydraulic fracturing – among other things, the study is to consider impacts on infrastructure, the environment, the economy, consumer protection and society; (5) directs the department of Environment and Natural Resources to conduct at least two public hearings in the Triassic Basin on the issue of drilling for natural gas by means of directional and horizontal drilling and hydraulic fracturing. Public hearings shall be conducted in order to promote awareness of the issue generally and inform and consult with the public and user groups on potential environmental impacts, potential regulatory controls, potential economic impacts, and consumer protection issues, including landowner rights and mineral leases.	Enacted – Signed by Governor 6/23/11
NC	SB 615	Oil and gas production: hydraulic fracturing.	An Act to (1) increase the amount of the bond required upon registration in order to drill for oil or natural gas in the state and (2) direct the department of environment and natural resources to study the issue of oil and gas exploration in the state, and specifically the use of hydraulic fracturing for that purpose.	Referred to Finance 4/19/11
NC	SB 709	Oil and gas production: hydraulic fracturing.	Provides for the development of Governors' Regional Interstate Offshore Energy Policy Compact. The Department of Environment and Natural Resources shall provide a	Passed the legislature; Governor Purdue Vetoed;

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			<p>comprehensive report to the Governor, the General Assembly, the Energy Jobs Council, created in G.S. 113B-2, as amended in Section 4 of this act, and the Joint Regulatory Reform Committee by May 1, 2012, that outlines the commercial potential of onshore shale gas resources within the State as well as the regulatory framework necessary to develop this resource. As part of this study, the Department is encouraged to collaborate with the Energy Jobs Council. As part of this report, the Department shall review all existing State laws and regulations regarding natural gas and related onshore hydrocarbon production specific to shale gas. The Department shall also review existing laws and regulations in states currently exploring for or producing shale gas, including Texas, Pennsylvania, and Arkansas, as well as related federal regulations and programs.</p> <p>This includes: Reviewing State laws and regulations, including G.S. 87-88(c) and 15A NCAC 02C, and providing recommendations on amendments and additions to address issues related to shale gas exploration, development, and production, including hydraulic fracturing, reporting requirements for fracturing fluids, environmental management of fracturing fluids, water use, and groundwater protection. In addition, provide recommendations on the reuse, recycling, and disposal requirements for waste hydraulic fluids, water, and related solid waste and recommend well drilling, casing, and cementing standards for wells that may be subject to hydraulic fracturing.</p>	Senate Overrides Veto; To House 7/14/11
NC	HB 773	Studies Act of 2011	The Department of Environment and Natural Resources shall study the issue of oil and gas exploration in the State and the use of directional and horizontal drilling and hydraulic fracturing for that purpose. The Department shall report its findings and recommendations, including specific legislative proposals, to the Environmental Review Commission no later than May 1, 2012.	Conference Committee Appointed 6/18/11
ND	HB 1216	AN ACT to provide that hydraulic fracturing is an acceptable recovery process in	Notwithstanding any other provision of law, the legislative assembly designates hydraulic fracturing, a mechanical method of increasing the permeability of rock to increase the amount of oil and gas produced from the rock, an acceptable recovery process in this state.	Enacted 4/12/2011

STATE	BILL	TITLE	SUMMARY	STATUS
		North Dakota; and to declare an emergency		
NE	LR 260	Interim study to examine statutes and regulations on in-situ mining and hydraulic fracturing, also known as fracking	<p>The purpose of this resolution is to study Nebraska's statutes and regulations on in-situ mining and hydraulic fracturing, also known as fracking. These mining processes will be on the rise in Nebraska, and a comprehensive examination of Nebraska's laws, rules, and regulations should be undertaken to assure that adequate protections are in place, to assure that Nebraska's laws are in accordance with current practice, and to address other relevant concerns. The committee should seek and consider input from interested persons and organizations.</p> <p>NOW, THEREFORE, BE IT RESOLVED BY THE MEMBERS OF THE ONE HUNDRED SECOND LEGISLATURE OF NEBRASKA, FIRST SESSION:</p> <ol style="list-style-type: none"> 1. That the Natural Resources Committee of the Legislature shall be designated to conduct an interim study to carry out the purposes of this resolution. 2. That the committee shall upon the conclusion of its study make a report of its findings, together with its recommendations, to the Legislative Council or Legislature. 	Died in Committee
NJ	SJR 59 AJR 67	Urges Delaware, New York, and Pennsylvania to enact moratorium against hydraulic fracturing until EPA concludes its study and issues its findings on that drilling practice.	The Governor and the Legislature of New Jersey urge the Governor and the Legislature of Delaware, the Governor and the Legislature of New York, and the Governor and the Legislature of Pennsylvania to join with their neighboring states and enact a moratorium against hydraulic fracturing in their respective states until the United States Environmental Protection Agency concludes its study and issues its findings on that drilling practice.	(S) Referred to Senate Environment and Energy Committee 12/20/10; (A) Passed Assembly and Referred to Senate Environment and Energy Committee

STATE	BILL	TITLE	SUMMARY	STATUS
NJ	SR 98 AR 112	'Fracturing Responsibility and Awareness of Chemicals Act of 2009.'	<p>Assembly Version:</p> <p>The Congress and the President of the United States are urged to enact into law ¹legislation similar to last session's H.R. 2766, known as the "Fracturing Responsibility and Awareness of Chemicals Act of 2009," and S.1215, known as the "Fracturing Responsibility and Awareness of Chemicals (FRAC) Act," to repeal the exemption for hydraulic fracturing under the federal "Safe Drinking Water Act" and require disclosure of chemicals used during hydraulic fracturing, for the protection of the health and well-being of the people of the United States.</p> <p>Duly authenticated copies of this resolution, signed by the Speaker of the General Assembly and attested by the Clerk of the General Assembly, shall be transmitted to the President and Vice President of the United States, the Majority and Minority Leaders of the United States Senate, the Speaker and Majority and Minority Leaders of the United States House of Representatives, the Administrator of the United States Environmental Protection Agency, every member of the New Jersey Congressional delegation , and United States Senator Robert P. Casey, Jr. of Pennsylvania and United States Representative Diana DeGette of Colorado¹.</p>	<p>3/21/11</p> <p>(S) Reported from Senate Committee with Amendments 5/19/11; (A) Filed with the Secretary of State</p>
NJ	SB 2575 A 3314	Prohibits NJ member of Delaware River Basin Commission from supporting use of drilling technique of hydraulic fracturing.	<p>This bill prohibits any New Jersey member of the Delaware River Basin Commission from supporting or voting to support the issuance, by the commission or any other entity, of any permit or other kind of approval to withdraw water for the purposes of hydraulic fracturing for natural gas exploration or production.</p> <p>The bill defines "hydraulic fracturing" as the drilling technique of expanding existing fractures or creating new fractures in rock by injecting water and chemicals, sand, or other substances under pressure into or underneath the surface of the rock for the purpose of well drilling or natural gas exploration. It includes "fracking," "hydrofracking," "hydrofracturing," and other colloquial terms for this drilling technique.</p>	<p>(S) Referred to Senate Environment and Energy Committee 12/20/10; (A) Referred to Assembly Environment and Solid Waste Committee 10/7/10</p>

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			Recently, drilling connected with natural gas exploration along the Marcellus Shale formation in Pennsylvania caused concern and a moratorium on such drilling in Pennsylvania and New York. The Marcellus Shale formation reaches beneath the southern tier of New York State, into Pennsylvania, Ohio, and West Virginia, and touches the edge of northwestern New Jersey. It is one of the largest untapped fossil fuel reserves in the Western Hemisphere and there have been estimates for the area to yield as much as 20 times the current nationwide output of natural gas, but the gas is not easy to extract. On June 5, 2010, hydraulic fracturing in Clearfield County, Pennsylvania caused an explosion and the release of many gallons of contaminated water and uncontrolled natural gas from the drill site.	
NJ	S 2576 A 3313	Prohibits NJ member of Delaware River Basin Commission from supporting use of drilling technique of hydraulic fracturing.	The Legislature therefore determines it is prudent and in the best interest of the people of the State of New Jersey to prohibit hydraulic fracturing in the State for the purpose of natural gas exploration or production. No person may use the drilling technique known as hydraulic fracturing in the State for the purpose of natural gas exploration or production. As used in this act, "hydraulic fracturing" means the drilling technique of expanding existing fractures or creating new fractures in rock by injecting water, often with chemicals, sand, or other substances, and often under pressure, into or underneath the surface of the rock for purposes including, but not necessarily limited to, well drilling and natural gas exploration and production. The term "hydraulic fracturing" shall include "fracking," "hydrofracking," "hydrofracturing," and other colloquial terms for this drilling technique.	Passed Both Houses; Conditional Veto Received in the Senate
NY	A 300 A 5547	Establishes a moratorium on disposal of fluids used in hydraulic fracturing occurring outside the state until 120 days after federal EPA issues report thereon.	Establishes a moratorium on the acceptance, disposal and/or processing of any fluid which was used in and drill cuttings from a hydraulic fracturing process performed outside of the state until 120 days after federal Environmental Protection Agency issues a report on the effects of hydraulic fracturing on water quality and public health, and submission of proof to the governor and legislature that the department of environmental conservation is capable of effectively regulating hydraulic fracturing drilling fluids, drill cutting and soil disposal.	(A.300) Referred to Environmental Conservation 4/6/11 (A.5547) Referred to Environmental Conservation

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NY	S 425 A 2922	Relates to the regulation of the use of hydraulic fracturing fluids.	Provides that rules and regulations shall require the disclosure of all hydraulic fracturing fluids and shall prohibit the use of hydraulic fracturing fluids that contain a chemical substance that poses a risk to human health, including, but not limited to, hydraulic fracturing fluids that contain a chemical substance that has been identified pursuant to the Federal Toxic Substances Control Act as persistent, bioaccumulative and toxic or is a known mutagen. Also provides that no permit shall be issued for the drilling or operation of any well proposing to use hydraulic fracturing fluids until the department has adopted rules and regulations consistent with the provisions of this chapter.	2/23/11 (A) Report Referred to Codes 6/2/11; (S) Defeated in Environmental Conservation 4/12/11
NY	S 893 A 2108	Establishes the natural gas exploration and extraction liability act of 2011.	Natural gas exploration, drilling, extraction by use of high volume hydraulic fracturing techniques and transportation of hydrofracturing chemicals and waste products, entail strict liability on the part of any person that undertakes such activities in the state. Provides for joint and several liability.	(A) Referred to Codes 6/2/11; (S) Referred to Environmental Conservation 1/5/11
NY	S 1230 A 4237	Establishes a moratorium on the issuance of permits for the drilling of wells and prohibits drilling within two miles of the New York city water supply infrastructure.	Amends the environmental conservation law and establishes a moratorium on the issuance of permits for the drilling of new wells. Provides that no permit to drill an oil or gas well using hydraulic fracturing shall be issued for the drilling of any oil or gas well within 10 miles of (1) NYC water supply infrastructure; (2) NYC watershed; (3) the area around and including any water system that has received a filtration avoidance determination from the US EPA. Provides that no permit to drill an oil or gas well using hydraulic fracturing shall be issued for the drilling of any oil or gas well within an appropriate distance, as determined by rules and regulations, of: (1) any area overlying a sole source aquifer; (2) any other area identified as necessary for the protection of drink water resources; (3) any area identified as a critical habitat for a threatened or endangered species; (4) any area identified as a bird conservation area; (5) any floodplains; or (6) all areas within any NY state park, forest preserve, state forest, wildlife refuge, wildlife management area or wilderness	(A) Referred to Environmental Conservation 2/2/11; (S) Referred to Environmental Conservation 1/6/11;

STATE	BILL	TITLE	SUMMARY	STATUS
			area.	
NY	S 1234 A 6426	Relates to the regulation of the drilling of natural gas resources.	Relates to the regulation of the drilling of natural gas resources; prohibits natural gas drilling near watersheds; requires disclosure of hydraulic materials; provides protection of other environmental resources; requires permits for water withdrawals of more than five thousand gallons per day; requires inspections and annual audits.	(A) Referred to Environmental Conservation 3/16/11; (S) Referred to Environmental Conservation 1/6/11
NY	A 1265	Prohibits the use of toxic fracking solutions during hydraulic fracturing.	Provides that every person granted a well permit, during hydraulic fracturing, use only fracing solution composed of natural and organic materials. No fracing solution containing, diesel, benzene, ethibenzene, toluene, zylene, or any other substance determined by the Commissioner to be toxic shall be used during hydraulic fracturing on or after such date.	Referred to Environmental Conservation 1/5/11
NY	A 2924	Requires an environmental impact statement to be prepared for any natural gas or oil drilling involving the use of hydraulic fracturing fluid.	Adds the use of hydraulic fracturing fluid for any natural gas or oil drilling to the section thereby requiring an environmental impact statement to be prepared as there may be a significant impact on the special groundwater protection area. Such statement shall meet the requirements of the most detailed environmental impact statement required by this section or by any such rule or regulation promulgated pursuant to this section.	Referred to Environmental Conservation 1/21/11
NY	S 3765	Prohibits contracts that relate to hydraulic fracturing from containing provisions that prohibit the disclosure of the	To require that no contract relating or referring to hydraulic fracturing shall prohibit the disclosure, by any party, of the chemicals used in hydraulic fracturing.	Committed to Commerce, Economic Development and Small Business 5/17/11

STATE	BILL	TITLE	SUMMARY	STATUS
		chemicals used.		
NY	A 5677	Prohibits fracturing and horizontal drilling for natural gas or oil on land operated by the office of parks, recreation and historic preservation.	Prohibits fracturing and horizontal drilling for natural gas or oil on land operated by the office of parks, recreation and historic preservation and within 1 mile thereof.	Referred to Environmental Conservation 2/25/11
NY	A 6488	Relates to industrial waste from hydraulic fracturing operations.	Relates to industrial waste from hydraulic fracturing operations; defines hydraulic fracturing; requires treatment works to refuse industrial waste from hydraulic fracturing operations that contain high levels of radium; requires treatment works and permit holders to test for radioactive contaminants; provides for scheduled discharges of such water with notice.	Referred to Environmental Conservation 3/21/11
NY	A 6540	Requires certificates of competence for utilization of a derrick or other drilling equipment for the purposes of hydraulic fracturing	Amends the environmental conservation law to require that applications submitted for the purpose of acquiring a permit to drill an oil or gas well, when such drilling is to be conducted for the purpose of hydraulic fracturing, include a certificate of competence for each person who may operate any drilling equipment. Provides for the promulgation of rules and regulations necessary with regard to the qualifications, submissions and procedures required in order for an individual to acquire a certificate of competence.	Referred to Environmental Conservation 3/21/11
NY	A 6541	Enacts the 'look before you leap act of 2011' to establish a 5 year moratorium on high volume hydraulic fracturing and the conducting	There is hereby established a 5 year moratorium on the conducting of high volume hydraulic fracturing in this state to provide an opportunity for the state to learn from the hydrofracking experiences of other states, which is necessitated by the exemptions, granted to the natural gas industry, from major federal laws protecting our air, land and water from radioactive and toxic wastes, and to make a comprehensive and cumulative examination of the environmental impacts associated with the recent rapid expansion of hydrofracking across the United States, with particular emphasis on the natural gas boom that began in the	Referred to Environmental Conservation 3/21/11

STATE	BILL	TITLE	SUMMARY	STATUS
		of an investigation thereon.	<p>neighboring state of Pennsylvania 3 years ago, and information therefrom shall be available to the public concerning these cumulative impacts to our nation's air, land and water resources.</p> <p>The state university of New York university centers at Albany, Binghamton, Buffalo and Stony Brook shall in cooperation with each other conduct an investigation into the practice of high volume hydraulic fracturing in conformance with subdivision (a) of this section. On or before the fifth year following the effective date of this act, such university centers shall jointly issue a report of their findings and recommendations as a result of the investigations conducted pursuant to this section. Such report shall be submitted to the governor, the commissioner of environmental conservation and the legislature, and shall be published and made available to the public.</p>	
NY	A 7072	Relates to wastewater from hydraulic fracturing.	Amends the environmental conservation law to require the promulgation of rules and regulations as may be necessary to: (1) require that any wastewater from hydraulic fracturing be screened to determine if it is appropriate for treatment by any sewage treatment works so as to not cause harm to the treatment processes that are designed to remove nitrogen and organic human or mammalian waste and (2) prohibit the acceptance by any sewage treatment works of wastewater from hydraulic fracturing containing any contaminants with such sewage treatment facility was not designed to treat, including, but not limited to radioactivity, carcinogens, bases, acids, solvents, slickening agents, metals, hydrocarbons and high salinity solutions derived from hydraulic fracturing activities.	Referred to Environmental Conservation 4/11/11
NY	A 7172	Creates a temporary state commission on the economic costs and benefits of hydraulic fracturing in New York state.	A temporary state commission, to be known as the commission on the economic costs and benefits of hydraulic fracturing in New York state is created to examine, evaluate, make recommendations and to collect data concerning the economic impact of hydraulic fracturing on the entire economy of New York state and the impact on local economies where hydraulic fracturing will occur. Specifically, such data shall include at least the following:(a) the impact and costs to the housing sector including rental and home ownership;(b) the impact on infrastructure including roads and bridges;(c) the impact on the environment;(d) the impact on	Referred to Environmental Conservation 4/14/11

STATE	BILL	TITLE	SUMMARY	STATUS
			costs to the state for the displacement of individuals and families from affected areas;(e) the projected public safety costs for municipalities housing hydraulic operations; and (f) all foreseen costs to the state from allowing hydraulic fracturing operations to be established, maintained, operated, dismantled and decommissioned as well as run dry. The legislation outlines the membership of the Commission.	
NY	A 7218 S 4220	Prohibits the use of hydraulic fracturing in the extraction of oil and gas.	Amends the environmental conservation law by adding a new section providing that the department shall not issue a permit for the drilling or operation of any well proposing to use hydraulic fracturing of hydraulic fracturing fluids for the extraction of gas and/or oil.	(A) Referred to Environmental Conservation 4/17/11; (S) Referred to Environmental Conservation 3/23/11
NY	A 7283 S 4251-A	Requires the promulgation of regulations requiring treatment works to test waste from hydraulic fracturing operations to test for radioactivity.	The Commissioner shall, after holding a public hearing, promulgate regulations requiring treatment works which treat industrial waste from hydraulic fracturing operations conduct by a permit holder to cause tests to be performed on the water discharged. The tests to be performed on the water shall mean water sampling to identify compounds or contaminants of concern. No waste from hydraulic fracturing operations outside the state of NY shall be accepted, treated or discharged by any permit holder.	(A) Amended and re-referred to Environmental Conservation 5/2/11; (S) Amended and re-referred to Environmental Conservation 3/25/11
NY	A 7400 S 5592	Suspends hydraulic fracturing for the extraction of natural gas or oil.	There is hereby established a suspension of the issuance of new permits for the drilling of a well which utilizes the practice of hydraulic fracturing for the purpose of stimulating natural gas or oil in low permeability natural gas reservoirs, such as the Marcellus and Utica shale formations. The purpose of such suspension shall be to afford the state and its residents the opportunity to continue the review and analysis of the effects of hydraulic fracturing on water and air quality, environmental	(A) Passed Assembly and Referred to Senate Environmental Conservation

STATE	BILL	TITLE	SUMMARY	STATUS
			safety and public health. For the purposes of this section, "hydraulic fracturing" shall mean the fracturing of rock by fluid for the purpose of stimulating natural gas or oil for any purpose. This section shall not apply to permits issued prior to the effective date of this act which utilize hydraulic fracturing that are subject to renewal.	6/3/11
NY	A 7987-A	Relates to standards of performance for wastewater facilities.	Provides that no wastewater treatment facility in the state shall accept any wastewater from hydraulic fracturing operations unless such facility meets the requirements as established through regulations required to be promulgated under this legislation. The regulations are to establish a standard of performance for the control of the discharge of pollutants from facilities which treat wastewater from hydraulic fracturing operations. This standard of performance shall permit no discharge of pollutants, or if not feasible, shall reflect the greatest degree of effluent reduction achievable through application of the best available demonstrated control technology, process, operating method, or other alternatives.	Referred to Rules 6/2/11
OH	SB 213	Establishes a moratorium on horizontal stimulation of oil and gas wells	Beginning on the effective date of this act, horizontal stimulation of a well shall not occur in this state until both of the following have occurred: (1) The United States Environmental Protection Agency publishes a report that contains a study of the relationship of hydraulic fracturing to drinking water resources. (2) The Chief of the Division of Oil and Gas Resources Management has prepared and delivered a report to each member of the General Assembly that analyzes how rules adopted by the Chief under Chapter 1509. of the Revised Code address the issues analyzed by the United States Environmental Protection Agency in the report referenced in division (B)(1) of this section.	Introduced 9/6/11
PA	SB 127	Amends the Oil and Gas Act, providing for hydraulic fracturing chemicals and surface impoundments and for hydraulic fracture fluids	Notwithstanding a trade secret claim, a well operator shall file a report with the department for each well that is drilled using the hydraulic fracturing process within 30 days of completion of such well. The report shall include, without limitation, the complete list of the chemicals and chemical compounds used in the fracturing fluid products, specifying the volume of fluid utilized in each separate hydraulic fracturing operation and the Chemical Abstract Service registry number for each constituent chemical. The department shall make the report available to the public on the department's publicly available Internet website.	Referred to ENVIRONMENTAL RESOURCES AND ENERGY, 1/12/11

STATE	BILL	TITLE	SUMMARY	STATUS
		monitoring.	<p>In case of a medical emergency, the well operator shall provide the concentration of each constituent chemical and the formula for each chemical compound to medical emergency personnel or local emergency personnel, or both. All documents, materials and other information provided under this subsection shall be considered confidential and shall not be released or disclosed to the public by the recipients or any other medical or emergency personnel with access to the documents, materials and other information. Upon the lawful order of a court of competent jurisdiction, any documents, materials and other information shall be released. A person who violates this paragraph commits a misdemeanor of the third degree.</p> <p>For each individual hydraulic fracturing operation performed at a well site, the well operator shall maintain the data indicating the total volume of fracturing fluids used for the operation as well as the total volume of fluids that returned to the surface. The well operator shall compile the data and the necessary records to support the data, and submit it to the department on a semi-annual basis.</p>	
PA	SB 425 HB 971	Amends the Oil and Gas Act, further providing for definitions, for well permits, for well location restrictions, for protection of fresh groundwater and casing requirements	Providing for definitions, for well permits, for well location restrictions, for protection of fresh groundwater and casing requirements and for protection of water supplies; providing for hydraulic fracturing chemicals and surface impoundments, for hydraulic fracture fluids monitoring and for use of surface impoundments for temporary flowback storage; and further providing for bonding, for enforcement orders, for penalties, for civil penalties, for well plugging funds and for local ordinances.	(S) Referred to ENVIRONMENTAL RESOURCES AND ENERGY, Feb. 7, 2011; (H) Referred to Consumer Affairs 3/9/11
PA	SB 680	Amends the Oil and Gas Act, further providing for definitions, for well permits, for well	Providing for definitions, for well permits, for well location restrictions and for protection of water supplies; providing for use of surface impoundments for temporary flowback storage; and further providing for well reporting requirements, for bonding, for enforcement orders, for penalties, for civil penalties, for well plugging funds and for local ordinances.	Referred to Environmental Resources & Energy 3/28/11

STATE	BILL	TITLE	SUMMARY	STATUS
		location restrictions and for protection of water supplies; providing for use of surface		
PA	HB 1346	Amends the Oil and Gas Act, further providing for well permits and well location restrictions.	<p>Amends the permit application by requiring the name of all surface landowners or water purveyors whose water supplies are within 5,500 feet of a proposed well location – an increase from the current requirement of 1,000 feet.</p> <p>The permit application shall also be accompanied by information regarding the zone of influence on groundwater and an analysis that provides an estimate on the time of travel that a potential release of hydraulic fracking fluid or other liquid substances from the drilling operation may take to reach the nearest waterway</p> <p>The permit application shall also be accompanied by a preparedness, prevention and contingency plan. The plan shall include, but not be limited to, the resources available at the well site to contain a release of any fluids and to prevent an accidental blowout, a listing of organizations that can respond within two hours of notification to provide remediation of any environmental contamination and a process to provide notification to all downstream water users of any environmental remediation activity within one hour of the commencement of that activity.</p> <p>Within ten days of the receipt of a permit application, the department shall notify all public drinking water system operators within the watershed in which the well is to be located that a permit application has been received. The department shall, within 25 days of the receipt of the permit application, convene a meeting between the well operator and the public water supply operator to review in detail the permit application. If the department believes that the proposed well site location may have the potential to contaminate a public drinking water supply, the department shall publish in the Pennsylvania Bulletin a notice that it has received a permit application from a well operator and that the proposed well site location may have the potential</p>	Referred to Environmental Resources & Energy 4/13/11

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			to affect a public drinking water supply. The notice shall provide for a 30-day public comment period. The bill also proposes changes to the well restriction locations.	
PA	HB 1565	Oil and Gas Act, further providing for definitions; and providing for chemical analysis of recycled wastewater during storage, for chemical analysis of wastewater	<p>Provides that a well operator shall notify the department and the public water supplier or private water well owner within 24 hours of any possible pollution or contamination to the water supply as a result of oil and gas activities (defined to include fracturing) taking place. The public water supplier shall notify the public within 12 hours after receipt of notice from the well operator. The public water supplier shall notify the public through appropriate broadcast media such as radio or television and through hand delivery of notices to persons served by the public water supplier.</p> <p>In addition to the wastewater source reduction strategy, a well operator shall perform a chemical analysis on the following: (1) All equipment used in the transporting of wastewater to a facility or well site or storage of recycled wastewater, (2) All recycled wastewater held in storage tanks and holding ponds or transported through pipes to a well site for reuse. The analysis shall be completed by a certified laboratory and, at a minimum, test for chemicals, chemical compounds, radioactive isotopes or decay products. A well operator shall submit a copy of the analyses to the department on forms prepared by the department and keep a copy of the analyses at the well site.</p> <p>A facility that possesses or is seeking a National Pollutant Discharge Elimination System permit, shall perform a detailed chemical analysis on all wastewater received that is generated from oil and gas activities targeting unconventional shale formations. The analysis shall be conducted by a certified laboratory after treatment and prior to discharge into the waters of the Commonwealth. The bill outlines what the analysis should include.</p> <p>Within 180 days of the effective date of this section, the department shall establish an online electronic tracking system for the reporting and tracking of storage, transportation and disposal of wastewater from oil and gas activities targeting</p>	Referred to Environmental Resources & Energy 5/23/11

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			unconventional shale formations. The tracking system shall require all persons who generate, store, transport or dispose of such wastewater to record and provide information to the tracking system necessary to track the amount, type and location of all such wastewater on a daily basis, from generation to ultimate disposal.	
PA	HB 1645	Amends the Oil and Gas Act, in general requirements, further providing for protection of fresh groundwater and casing requirements and for protection of water supplies.	<p>Provides that the well operator shall store any wastewater resulting from hydraulic fracturing operations in sealed, closed container systems prior to the wastewater being reused or transferred from the well site to an approved treatment and disposal facility. Defines "sealed, closed container systems."</p> <p>Incorporates "pollution resulting from any pit or impoundment used to store any wastewater resulting from hydraulic fracturing operations" as a reason that a landowner or water purveyor suffering pollution of diminution of a water supply may notify the department and request that an investigation be conducted. Within ten days of such notification, the department shall investigate any such claim and shall, within 45 days following notification, make a determination. If the department finds</p> <p>Any landowner or water purveyor suffering pollution or diminution of a water supply as a result of the drilling, alteration or operation of an oil or gas well or pollution resulting from any pit or impoundment used to store any wastewater resulting from hydraulic fracturing operations. If the department finds that the pollution or diminution was caused by the drilling, alteration or operation activities, or from any pit or impoundment used to store any wastewater resulting from hydraulic fracturing operations, or if it presumes the well operator responsible for pollution then it shall issue such orders to the well operator as are necessary to assure compliance. Such orders may include orders requiring the temporary replacement of a water supply where it is determined that the pollution or diminution may be of limited duration.</p> <p>Unless rebutted by one of the five defenses as outlined in the legislation, it shall be presumed that a well operator is responsible for the pollution of a water supply that</p>	Referred to Environmental Resources & Energy 6/8/11

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			<p>is within 1,000 feet of the oil or gas well or 1,000 feet of any pit or impoundment used to store any wastewater resulting from hydraulic fracturing operations, where the pollution occurred within six months after the completion of drilling or alteration of a well, or storage of wastewater resulting from hydraulic fracturing operations in a pit or impoundment.</p> <p>The department shall establish methods and criteria for surveying water quality before and after the use of pits or impoundments used to store any wastewater resulting from hydraulic fracturing operations.</p>	
PA	HB 1680	Amends the Pennsylvania Safe Drinking Water Act, further providing for definitions; and providing for disclosure of chemicals used in hydraulic fracturing.	<p>Any person using hydraulic fracturing must disclose to the department, the chemical constituents, but not the proprietary chemical formulas, used in the fracturing process.</p> <p>The Department of Environmental Protection shall make available to the public the information contained in each disclosure of chemical constituents, including by posting the information on the department's Internet website. In any case in which the department or appropriate health care provider determines that a medical emergency exists and the proprietary chemical formula or specific chemical identity of a trade secret chemical used in hydraulic fracturing is necessary for emergency or first aid treatment, the applicable person using hydraulic fracturing shall immediately disclose to the department or appropriate health care provider, as applicable, the proprietary chemical formula or specific chemical identity of a trade secret chemical, regardless of the existence of a written statement of need or a confidentiality agreement.</p> <p>A person using hydraulic fracturing that makes a disclosure may require the execution of a written statement of need and a confidentiality agreement as soon as practicable after the determination by the department or health care provider.</p>	Referred to Environmental Resources & Energy 6/17/11
PA	HB 1800	Amends the Oil and Gas Act, further providing for	The bill provides that no well may be drilled using hydraulic fracturing or horizontal drilling within 2,500 feet of a surface water source, and within 1,000 feet of a groundwater source or an exceptional value or high quality water source, which	Referred to Environmental Resources &

STATE	BILL	TITLE	SUMMARY	STATUS
		definitions and for well permits; providing for adoption of wells; further providing for well location restrictions; providing for	<p>serves a public water system. The bill outlines the means by which the distance from the public water supply source shall be measured.</p> <p>Protection of fresh groundwater; casing requirement. The department shall inspect each permitted well drilled in a formation using hydraulic fracturing or horizontal drilling, or both, during each phase of cementing, completing, and altering. The permittee may not proceed to the next phase of drilling operation until an inspection by the department has been performed. The department shall allocate an appropriate portion of the well permit fees to fund the inspection and may increase permit fees to meet an increase in the inspection costs.</p> <p>Protection of water supplies. Upon written request by any landowner residing within 5,500 feet but farther than 2,500 feet of a proposed gas well using hydraulic fracturing, the well permit applicant shall conduct a predrilling or prealteration survey, using a facility or laboratory certified by the department and send a copy of the survey by certified mail to the requester. The survey shall provide at minimum the testing results for chemicals and chemical compounds as outlined in the legislation. The legislation also requires the establishment of a single Statewide toll-free telephone number that persons may use to report cases of water contamination, develop an appropriate administrative response to calls received, and establish a website that lists confirmed cases of water supply contamination that result from hydraulic fracturing.</p> <p>Unless rebutted by one of the five defenses established by the legislation, it will be presumed that a well operator is responsible for the pollution of a water supply that is within 1,000 feet, or in the case of an unconventional well within 5,000 feet of the oil or gas well, where the pollution occurred within 12 months after the drilling, stimulation or alteration of well.</p> <p>Transportation records and hydraulic fracturing fluids. Establishes minimum requirements for maintaining records of the amount and destination of the fluids</p>	Energy 7/26/11

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			transported.	
TX	SB 772	Relating to the use of a tracer substance in performing a hydraulic fracturing treatment operation.	<p>The commission shall adopt rules requiring a person who performs a hydraulic fracturing treatment operation on a well to include a tracer substance in the base stimulation fluid used to perform the operation. (c) Rules adopted under this section may specify the type of tracer substance a person is required to use in performing a hydraulic fracturing treatment operation, such as an isotope tracer or a color tracer, provided that: (1) the tracer substance is traceable to a specific person after the tracer substance is used in a hydraulic fracturing treatment operation; and (2) the commission has determined that the use of the tracer substance in a hydraulic fracturing treatment operation will not endanger the public health.</p> <p>SECTION 2. The Railroad Commission of Texas shall adopt rules under Section 91.021, Natural Resources Code, as added by this Act, not later than February 1, 2012.</p>	Died in Committee
TX	SB 1049	Relating to the disclosure of information regarding hydraulic fracturing treatment operations.	<p>Provides that the commission shall adopt rules requiring the owner or operator of a well on which hydraulic fracturing treatment operations have been performed or a person who has performed hydraulic fracturing treatment operations on a well to disclose to the commission in writing information regarding the operations, following the completion of those operations.</p> <p>At a minimum, rules adopted under this section must require the owner or operator of the well or the person who performs the hydraulic fracturing treatment operations to disclose: (1) the type and volume of the base stimulation fluid and proppant used for each stage of the hydraulic fracturing treatment operations; (2) the general type of additives used in the hydraulic fracturing treatment operations, such as acid, biocide, breaker, corrosion inhibitor, crosslinker, demulsifier, friction reducer, gel, iron control, oxygen scavenger, pH adjusting agent, scale inhibitor, or surfactant; (3) the specific additives used in the hydraulic fracturing treatment operations and the actual concentration of each additive, expressed as pounds per thousand gallons or gallons per thousand gallons; (4) all chemical constituents used in the hydraulic fracturing treatment operations and</p>	Died in Committee

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			<p>their associated CAS numbers; and (5) any documentation necessary to demonstrate the accuracy of the information provided.</p> <p>If a chemical constituent used in a hydraulic fracturing treatment operation and its associated CAS number are subject to 42 U.S.C. Section 11042, the rules adopted under this section may permit the owner or operator of the well or the person who performed the hydraulic fracturing treatment operations to withhold the name of the chemical constituent and its associated CAS number and, in lieu of disclosing the information, submit a claim of entitlement to withhold the information and disclose the chemical family associated with the chemical constituent and the associated CAS number of the chemical family.</p>	
TX	SB 1930 HB 3328	Relating to the disclosure of the composition of hydraulic fracturing fluids used in hydraulic fracturing treatments.	<p>The commission by rule shall: (1) require an operator of a well on which a hydraulic fracturing treatment is performed to: (A) complete the form posted on the hydraulic fracturing chemical registry Internet website of the Ground Water Protection Council and the Interstate Oil and Gas Compact Commission with regard to the well; (B) include in the form completed under Paragraph(A): (i) the total volume of water used in the hydraulic fracturing treatment; and (ii) each chemical ingredient that is subject to the requirements of 29 C.F.R. Section 1910.1200(g)(2s); (C) post the completed form described by Paragraph (A) on a publicly accessible Internet website specified by the commission; (D) submit the completed form described by Paragraph (A) to the commission with the well completion report for the well; and (E) in addition to the completed form specified in Paragraph (D), provide to the commission a list, to be made available on a publicly accessible website, of all other chemical ingredients not listed on the completed form that were intentionally included and used for the purpose of creating a hydraulic fracturing treatment for the well. The commission rule shall ensure that an operator, service company, or supplier is not responsible for disclosing ingredients that: (i) were not purposely added to the hydraulic fracturing treatment; (ii) occur incidentally or are otherwise unintentionally present in the treatment; or (iii) in the case of the operator, are not disclosed to the operator by a service company or supplier. The commission rule shall not require that the ingredients be identified based on the additive in which</p>	HB – Enacted Effective 9/1/11

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			<p>they are found or that the concentration of such ingredients be provided;</p> <p>(2) require a service company that performs a hydraulic fracturing treatment on a well or a supplier of an additive used in a hydraulic fracturing treatment on a well to provide the operator of the well with the information necessary for the operator to comply with Subdivision (1);</p> <p>(3) prescribe a process by which an entity required to comply with Subdivision (1) or (2) may withhold and declare certain information as a trade secret for purposes of Section 552.110, Government Code, including the identity and amount of the chemical ingredient used in a hydraulic fracturing treatment;</p> <p>(4) require a person who desires to challenge a claim of entitlement to trade secret protection under Subdivision (3) to file the challenge not later than the second anniversary of the date the relevant well completion report is filed with the commission;</p> <p>(5) limit the persons who may challenge a claim of entitlement to trade secret protection under Subdivision (3) to: (A) the landowner on whose property the relevant well is located; (B) a landowner who owns property adjacent to property described by Paragraph (A); or (C) a department or agency of this state with jurisdiction over a matter to which the claimed trade secret is relevant;</p> <p>(6) require, in the event of a trade secret challenge, that the commission promptly notify the service company performing the hydraulic fracturing treatment on the relevant well, the supplier of the additive or chemical ingredient for which the trade secret claim is made, or any other owner of the trade secret being challenged and provide the owner an opportunity to substantiate its trade secret claim; and</p> <p>(7) prescribe a process, consistent with 29 C.F.R. Section 1910.1200, for an entity described by Subdivision (1) or (2) to provide information, including information that</p>	

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			is a trade secret as defined by Appendix D to 29 C.F.R. Section 1910.1200, to a health professional or emergency responder who needs the information in accordance with Subsection (i) of that section.	
TX	HB 2849	Relating to the rights of an owner of the surface estate in land in connection with mineral exploration and production operations; providing administrative and criminal penalties.	Provides that a mineral developer may not dispose of water or other liquids used in hydraulic fracturing or other mineral exploration and production operations on the surface of the land without the agreement of each surface owner.	Died in Committee

Denison, Eric

From: David Lipp
Sent: Friday, April 15, 2011 1:30 PM
To: Stephen Helmer; Kenneth Barnhart; Eric Denison; Jim Colleli; Robert Leidy
Subject: Marcellus Shale Drill Site Visit Schedule

This message has been archived. [View the original item](#)

Greetings all,

As part of ODH/ BRP's new Marcellus Shale project, we have asked to accompany ODNR to a gas drilling operations site to get a walk down of the entire gas drilling/pumping work flow process first hand. For those not previously involved, ODH has been asked by ODNR to provide some technical assistance to them in setting up their program to regulate the expected flood of natural gas drilling and hydro-fracing in the Marcellus Shale /large natural gas reserve that is under the eastern half of Ohio, West Virginia, Pennsylvanis, and New York. Particularly, BRP has been asked to help characterize the naturally occurring radioactive material that might be disturbed, collected, consolidated, and become "technilogically enhanced naturally occurring radioactive material" or TENORM, during all phases of the gas drilling, pumping, processing, storage work flow.

ODNR has asked that we submit 3 potential days to get the visit scheduled. The site will probably be over

Attachments:

[Site visit calendar.doc](#)

(51 KB)

*All e-mails
to date
re: Shale*

*Eric
12/27/11
14:29*

Denison, Eric

From: David Lipp
Sent: Friday, April 15, 2011 4:10 PM
To: thomas.tugend@dnr.state.oh.us; Rick.Simmers@dnr.state.oh.us
Cc: Stephen Helmer; Kenneth Barnhart; Jim Colleli; Robert Leidy; Eric Denison
Subject: ODH Staff Drilling Site Visit Schedule

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Thomas and Rick,

We have some days to try and schedule the drilling site visit for ODH staff.

The days are: April 27, April 28, May 5, May 13, and May 19.

The earlier days would of course be the best. Currently, it looks like we will have about six people in probably a truck from Columbus and a car from Akron meeting us at the site.

You also mentioned that wells in Belmont County had finished the horizontal boring and will be fracking in June. I'd be interested in seeing if I could observe that operation and the frack water backwash if possible.

Let me know about the site visit day and if you need any more information or names of the staff for the company..

Thanks,

David R. Lipp

Senior Health Physicist

Bureau of Radiation Protection, Technical Support

Ohio Department of Health

(614) 728-0884

david.lipp@odh.ohio.gov

Denison, Eric

From: David Lipp
Sent: Wednesday, May 18, 2011 9:46 AM
To: Stephen Helmer; Chuck McCracken; Jim Colleli; Eric Denison; Stephen James; Kenneth Barnhart; Robert Leidy; Aaron.Shear@epa.state.oh.us
Subject: Final plans for Gas Well Site Visit

This message has been archived. [View the original item](#)

The gas well site visit has been finalized for tomorrow 5/19 at 2:00. We will be meeting at the ODNR New Philadelphia office which is about a 30 minute drive to the well site. Don't forget rain gear and mud boots, safety shoes, hard hat, safety glasses, and bug spray (if you bring it, they won't be out). Dress is "gas well drilling site casual." Let me know if you have any questions. I'd like to leave here with the truck around 10:00.

David R. Lipp

Senior Health Physicist

Bureau of Radiation Protection, Technical Support

Ohio Department of Health

(614) 728-0884

david.lipp@odh.ohio.gov

Denison, Eric

From: Michael Snee
Sent: Monday, June 27, 2011 11:05 AM
Subject: Marcellus shale drilling

This message has been archived. [View the original item](#)

As a follow-up to David's presentation this morning, more information can be found at
http://epa.ohio.gov/dsw/pretreatment/marcellus_shale/index.aspx

The NY Times article can be found at
<http://www.nytimes.com/2011/06/27/us/27gas.html?pagewanted=1&r=1&hp>

Michael Snee

Chief, Bureau of Radiation Protection

Ohio Department of Health

614-644-2732

Denison, Eric

From: Eric Denison
Sent: Wednesday, June 29, 2011 10:47 AM
To: kevin.clouse@epa.state.oh.us
Subject: Environmental Sampling Tools and Supplies

This message has been archived. [View the original item](#)

Kevin-

We are looking at having to do an environmental sampling campaign for the Marcellus Shale project. I'm guessing you guys have a list of reliable suppliers for sampling equipment (dippers, bottles, gloves, etc.). Can you give me some suggestions?

Thanks!

+++++

J. Eric Denison

Health Physicist, Technical Support Section

Ohio Department of Health

Bureau of Radiation Protection

246 North High Street

Columbus, OH 43215

Tel: (614) 644-6362

Fax: (614) 466-0381

Denison, Eric

From: Clouse, Kevin <Kevin.Clouse@epa.state.oh.us>
Sent: Thursday, June 30, 2011 8:12 AM
To: Eric Denison
Cc: Shane, Scott
Subject: RE: Environmental Sampling Tools and Supplies

This message has been archived. [View the original item](#)

Eric,

Scott Shane is our equipment guru and should be able to help you out. Scott's phone number is 614/836-8764.

KC

From: Eric Denison [<mailto:Eric.Denison@odh.ohio.gov>]
Sent: Wednesday, June 29, 2011 10:47 AM
To: Clouse, Kevin
Subject: Environmental Sampling Tools and Supplies

Kevin-

We are looking at having to do an environmental sampling campaign for the Marcellus Shale project. I'm guessing you guys have a list of reliable suppliers for sampling equipment (dippers, bottles, gloves, etc.). Can you give me some suggestions?

Thanks!

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J. Eric Denison

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Ohio Department of Health

Bureau of Radiation Protection

246 North High Street

Columbus, OH 43215

Tel: (614) 644-6362

Fax: (614) 466-0381

"This e-mail is intended for the sole use of the intended recipient and may contain privileged, sensitive, or protected health information. If you are not the

Denison, Eric

From: Eric Denison
Sent: Thursday, August 18, 2011 10:28 AM
To: David Lipp
Subject: Sample Containers

Let me know if this correctly captures what you need. Please also list any other equipment and supplies you think you'll need.

=====

We are planning a sampling campaign and need to obtain supplies and equipment. In particular, we need the following:

- 1-liter (or 1-quart) glass jars with lids
- 1-liter (or 1-quart) plastic jars with lids
- 4-liter (or 1-gallon) glass jars or carboys with lids or caps
- 4-liter (or 1-gallon) plastic jars or carboys with lids or caps

The sampling will involve tapping a closed industrial process system that handles liquid and semi-solid (sludge) materials, so openings on all containers must be a minimum of 2 inches in diameter (3 inches or larger preferred). If you have materials that match these specifications, please provide the following information.

- Technical Data:
 - container size (volume and dimensions)
 - dimensions of opening
 - closure type and dimensions
- part numbers or item numbers
- number of items per case
- price per item or case
- shipping cost per item or case

Please note that this purchase will be by State of Ohio purchase order or payment card. Depending on project needs, we may make a single large purchase or multiple smaller purchases through the rest of this fiscal year.

+++++

J. Eric Denison
Health Physicist, Technical Support Section
Ohio Department of Health
Bureau of Radiation Protection
246 North High Street
Columbus, OH 43215
Tel: (614) 644-6362
Fax: (614) 466-0381

Denison, Eric

From: Eric Denison
Sent: Thursday, August 18, 2011 1:40 PM
To: Eric Denison
Subject: FW: Sample Containers

Good afternoon-

Your company has been identified as having a State Term Schedule with the state of Ohio for provision of laboratory supplies and equipment. We are planning a sampling campaign and need to obtain the items listed below. We will be testing for naturally occurring radioactive materials, so containers must be non-reactive with and impermeable to those elements. We will not be testing for trace metals, biologicals, or anything particularly exotic, so the containers do not need to be sterile or exquisitely clean.

Needed items:

- 1-liter (or 1-quart) glass jars with lids
- 1-liter (or 1-quart) plastic jars with lids
- 4-liter (or 1-gallon) glass jars or carboys with lids or caps
- 4-liter (or 1-gallon) plastic jars or carboys with lids or caps
- bags or overpacks into which the above containers can be placed for in-state road transport

NOTE: Openings on all containers must be a minimum of 2 inches in diameter (3 inches or larger preferred).

If you can provide the above items, please send me the following information:

- Your suggestion for the most economical solution for each item;
- Technical Data (or a link to that data) for said items:
 - container size (volume and dimensions)
 - dimensions of opening
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- Ordering Information
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- Depending on the dollar amount of the order, vendors may be required to complete an Affirmative Action Program Verification through the Ohio Department of Administrative Services.
(<http://das.ohio.gov/Divisions/EqualOpportunity/AffirmativeActionEqualEmploymentOpportunity/tabid/178/Default.aspx>).

Please let me know if you have any questions or need additional information. Thank you for your time and consideration.

+++++

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Columbus, OH 43215
Tel: (614) 644-6362
Fax: (614) 466-0381

1-4662

Denison, Eric

From: Eric Denison
Sent: Thursday, August 18, 2011 1:41 PM
To: David Lipp
Subject: FW: Sample Containers

FYI

From: Eric Denison
Sent: Thursday, August 18, 2011 1:40 PM
To: Eric Denison
Subject: FW: Sample Containers

Good afternoon-

Your company has been identified as having a State Term Schedule with the state of Ohio for provision of laboratory supplies and equipment. We are planning a sampling campaign and need to obtain the items listed below. We will be testing for naturally occurring radioactive materials, so containers must be non-reactive with and impermeable to those elements. We will not be testing for trace metals, biologicals, or anything particularly exotic, so the containers do not need to be sterile or exquisitely clean.

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Denison, Eric

From: Eric Denison
Sent: Thursday, August 18, 2011 1:40 PM
To: Eric Denison
Subject: FW: Sample Containers

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Fax: (614) 466-0381

Denison, Eric

From: Gentry, Marilynne <marilynne.gentry@thermofisher.com>
Sent: Wednesday, August 24, 2011 12:38 PM
To: Eric Denison
Subject: FW: Sample Containers

Eric,

I am working with vendors to find products to meet your needs. I will pass on what I find out. Thanks!

Sincerely,

Mari Lynne Gentry

Sales Representative
Fisher Scientific
Phone: 614-352-8561
Voicemail: 800-955-9999x4155
marilynne.gentry@thermofisher.com

If you wish to unsubscribe from Fisher Scientific's e-mail list, [click here](#) and enter the subject line 'Unsubscribe'

Part of ThermoFisher Scientific

From: Eric Denison [mailto:Eric.Denison@odh.ohio.gov]
Sent: Thursday, August 18, 2011 1:40 PM
To: Eric Denison
Subject: FW: Sample Containers

Good afternoon-

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Denison, Eric

From: Eric Denison
Sent: Tuesday, September 06, 2011 12:50 PM
To: diane.d.crawford@siemens.com
Subject: FW: Sample Containers

Have not received a reply from anyone in your organization. If you plan to submit a quote, I need something by the end of the day today. If you do not intend to submit a quote, please let me know. Thank you.

From: Eric Denison
Sent: Thursday, August 18, 2011 1:40 PM
To: Eric Denison
BCC: various vendor sales reps
Subject: FW: Sample Containers

Good afternoon-

Your company has been identified as having a State Term Schedule with the state of Ohio for provision of laboratory supplies and equipment. We are planning a sampling campaign and need to obtain the items listed below. We will be testing for naturally occurring radioactive materials, so containers must be non-reactive with and impermeable to those elements. We will not be testing for trace metals, biologicals, or anything particularly exotic, so the containers do not need to be sterile or exquisitely clean.

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Bureau of Radiation Protection
246 North High Street
Columbus, OH 43215
Tel: (614) 644-6362
Fax: (614) 466-0381

Denison, Eric

From: Eric Denison
Sent: Tuesday, September 06, 2011 12:51 PM
To: janet.perkins@perkinelmer.com
Subject: FW: Sample Containers

Have not received a reply from anyone in your organization. If you plan to submit a quote, I need something by the end of the day today. If you do not intend to submit a quote, please let me know. Thank you.

From: Eric Denison
Sent: Thursday, August 18, 2011 1:40 PM
To: Eric Denison
Subject: FW: Sample Containers

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Columbus, OH 43215
Tel: (614) 644-6362
Fax: (614) 466-0381

Denison, Eric

From: Eric Denison
Sent: Tuesday, September 06, 2011 12:51 PM
To: robin_zybell@bd.com
Subject: FW: Sample Containers

Have not received a reply from anyone in your organization. If you plan to submit a quote, I need something by the end of the day today. If you do not intend to submit a quote, please let me know. Thank you.

From: Eric Denison
Sent: Thursday, August 18, 2011 1:40 PM
To: Eric Denison
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Ohio Department of Health
Bureau of Radiation Protection
246 North High Street
Columbus, OH 43215
Tel: (614) 644-6362
Fax: (614) 466-0381

Denison, Eric

From: Perkins, Janet <janet.perkins@perkinelmer.com>
Sent: Tuesday, September 06, 2011 3:51 PM
To: Eric Denison
Subject: Re: Sample Containers

Hi Eric:
We will not be quoting.
Thank you so much for checking back with me.
Janet
Sorry for the brief reply.

From: Eric Denison [mailto:Eric.Denison@odh.ohio.gov]
Sent: Tuesday, September 06, 2011 12:51 PM
To: Perkins, Janet
Subject: FW: Sample Containers

Have not received a reply from anyone in your organization. If you plan to submit a quote, I need something by the end of the day today. If you do not intend to submit a quote, please let me know. Thank you.

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Denison, Eric

From: Eric Denison
Sent: Wednesday, September 07, 2011 11:33 AM
To: Perkins, Janet
Subject: RE: Sample Containers

Thank you.

From: Perkins, Janet [mailto:janet.perkins@perkinelmer.com]
Sent: Tuesday, September 06, 2011 3:51 PM
To: Eric Denison
Subject: Re: Sample Containers

Hi Eric:
We will not be quoting.
Thank you so much for checking back with me.
Janet
Sorry for the brief reply.

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Sent: Tuesday, September 06, 2011 12:51 PM
To: Perkins, Janet
Subject: FW: Sample Containers

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Denison, Eric

From: David Lipp
Sent: Wednesday, September 07, 2011 2:44 PM
To: Rick.Simmers@dnr.state.oh.us; Thomas.Tugend@dnr.state.oh.us
Cc: Shear, Aaron; Eric Denison; Shannon Dettmer
Subject: Frack Water Site Visit for ODH

Just a quick email to check on the status of arranging a site visit for ODH to a shale gas well undergoing fracking. I think there will be 3 from ODH and Aaron Shear from Ohio EPA.

Thanks,

David R. Lipp
Senior Health Physicist
Bureau of Radiation Protection, Technical Support
Ohio Department of Health
(614) 728-0884
david.lipp@odh.ohio.gov

Denison, Eric

From: David Lipp
Sent: Thursday, September 08, 2011 12:20 PM
To: Rick.Simmers@dnr.state.oh.us; Thomas.Tugend@dnr.state.oh.us
Cc: Stephen Helmer; Eric Denison
Subject: Public Request for POC

Rick,

I have received a request from a member of the public for an ODNR contact on the Marcellus Shale cuttings, frack water sample project that is going to be performed by ODH. Who would you like designated as your lead on public inquiries?

Thanks,

David R. Lipp
Senior Health Physicist
Bureau of Radiation Protection, Technical Support
Ohio Department of Health
(614) 728-0884
david.lipp@odh.ohio.gov

Denison, Eric

From: David Lipp
Sent: Friday, September 09, 2011 11:15 AM
To: k_b_sadler@yahoo.com
Cc: Heidi.Evans@dnr.state.oh.us; Stephen Helmer; Eric Denison
Subject: ODNR Point of Contact for the ODH NORM Sampling

Mr. Sadler,

I have received an ODNR point of contact name for the ODH Shale Gas Naturally Occurring Radioactive Material (NORM) sampling study that we will be performing for ODNR.

The ODNR name is: Heidi Hetzel-Evans
Heidi.Evans@dnr.state.oh.us
614-265-6520

Please let me know if you have any other questions.

David R. Lipp
Senior Health Physicist
Bureau of Radiation Protection, Technical Support
Ohio Department of Health
(614) 728-0884
david.lipp@odh.ohio.gov

Denison, Eric

From: David Lipp
Sent: Friday, September 09, 2011 11:17 AM
To: Stephen Helmer; Eric Denison; Shannon Dettmer
Subject: FW: Frack Water Site Visit for ODH

From: Simmers, Rick [mailto:Rick.Simmers@dnr.state.oh.us]
Sent: Friday, September 09, 2011 10:36 AM
To: David Lipp
Subject: RE: Frack Water Site Visit for ODH

David, we are still trying to coordinate this for you

From: David Lipp [mailto:David.Lipp@odh.ohio.gov]
Sent: Wednesday, September 07, 2011 2:44 PM
To: Simmers, Rick; Tugend, Thomas
Cc: Shear, Aaron; Eric Denison; Shannon Dettmer
Subject: Frack Water Site Visit for ODH

Just a quick email to check on the status of arranging a site visit for ODH to a shale gas well undergoing fracking. I think there will be 3 from ODH and Aaron Shear from Ohio EPA.

Thanks,

David R. Lipp
Senior Health Physicist
Bureau of Radiation Protection, Technical Support
Ohio Department of Health
(614) 728-0884
david.lipp@odh.ohio.gov

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Denison, Eric

From: David Lipp
Sent: Tuesday, September 27, 2011 2:27 PM
To: Eric Denison
Subject: Shale Fracking Meeting - October 5, 2011
Attachments: ShaleTeamMeetingNotes7-12-11FINAL.DOC

Eric,

Here is information on an ODNR OEPA Shale Gas meeting. I'll get you more

When: Wednesday, October 05, 2011 1:30 PM-4:00 PM (UTC-05:00) Eastern Time (US & Canada).
Where: ODNR

Note: The GMT offset above does not reflect daylight saving time adjustments.

~~*~*~*~*~*~*~*~*

Hi everyone. I'm attaching the final notes from our 7/12 meeting.

Per the notes, we're scheduled to meet again on **Wednesday, October 5th** from 1:30-4:00 at ODNR. I'm doing a quick poll of the group to see if we want to continue with a quarterly meeting. Our discussions thus far have been very productive I think for everyone, however, I do not know if we're to the point where we want to spread our meetings out a bit farther apart.

If we skipped October, this would put our next meeting in January. If people feel that we want to stay on track with the meeting schedule as is, I'm fine with that too.

If you can e-mail your preference to me directly, I'll collect the responses and let everyone know what the general consensus is on future meetings.

If we do decide to move forward with the October meeting, I'll get a draft agenda around to everyone.

Thanks.

Laurie

David R. Lipp
Health Physicist Supervisor
Bureau of Radiation Protection, Technical Support
Ohio Department of Health
(614) 728-0884
david.lipp@odh.ohio.gov

Denison, Eric

From: Eric Denison
Sent: Wednesday, September 28, 2011 9:16 AM
To: Stephen Helmer
Subject: Accepted: Inter-Agency Shale Team meeting

Denison, Eric

From: Stephen Helmer
Sent: Monday, October 03, 2011 11:54 AM
To: Eric Denison
Subject: FW: Draft agenda for 10/5/11 meeting

fyi

From: Tugend, Thomas [mailto:Thomas.Tugend@dnr.state.oh.us]
Sent: Sunday, October 02, 2011 10:02 AM
To: Stevenson, Laurie; Perry, Chris; Hetzel-Evans, Heidi; Hallfrisch, Mike; McCormac, Mike; Simmers, Rick; Lozier, Ted; Tomastik, Tom; Shear, Aaron; Cirker, Benjamin; Hall, Brian; Lowe, Chuck; Nygaard, Eric; Goicochea, Joe; Weiss, Kristopher; Burkleca, Lee; Taliaferro, Lindsay; Baker, Mike; Eggert, Michael; Parsons, Misty; Settles, Mike; Laake, Ryan; Freeman, Tracy; Harcarik, Tom; Nickel, Brian; Kniss, Donna; Underwood, Dan; Adams, Eric; Gomes, Erm; Snell, Fred; Rice, Nancy; Blasick, Rich; DiFranco, Stivo; Saines, Steve; Williams, Steve; Wilson, Virginia; Chuck McCracken; Michael Snee; Rebecca Fugitt; Stephen Helmer; David Lipp; Hopkins, Mike; Getz, Eric; Nabors, Shannon; Buthker, Bonnie; Robinson, Isaac
Subject: RE: Draft agenda for 10/5/11 meeting

Meeting location - H-2

From: Stevenson, Laurie [mailto:laurie.stevenson@epa.state.oh.us]
Sent: Fri 9/30/2011 3:10 PM
To: Perry, Chris; Hetzel-Evans, Heidi; Hallfrisch, Mike; McCormac, Mike; Simmers, Rick; Lozier, Ted; Tugend, Thomas; Tomastik, Tom; Shear, Aaron; Cirker, Benjamin; Hall, Brian; Lowe, Chuck; Nygaard, Eric; Goicochea, Joe; Weiss, Kristopher; Burkleca, Lee; Taliaferro, Lindsay; Baker, Mike; Eggert, Michael; Parsons, Misty; Settles, Mike; Laake, Ryan; Freeman, Tracy; Harcarik, Tom; Nickel, Brian; Kniss, Donna; Underwood, Dan; Adams, Eric; Gomes, Erm; Snell, Fred; Rice, Nancy; Blasick, Rich; DiFranco, Stivo; Saines, Steve; Williams, Steve; Wilson, Virginia; 'chuck.mccracken@odh.ohio.gov'; Snee, Michael J.; Fugitt, Rebecca J.; 'stephen.helmer@odh.ohio.gov'; Lipp, David R.; Hopkins, Mike; Getz, Eric; Nabors, Shannon; Buthker, Bonnie; Robinson, Isaac
Subject: Draft agenda for 10/5/11 meeting

Hi everyone. Attached is a draft agenda for our meeting next **Wednesday, October 5th** from 1:30-4:00 at ODNR. If someone from ODNR could confirm the conference room location, that would be great.

The general consensus from people responding to my question about the frequency of our meetings was that we go ahead with our meeting next week, but talk about future meeting frequency from here on out at the meeting.

I will not be at the meeting on Weds. Brian Hall and Mike Baker will help facilitate the discussion and take notes. If anyone has revisions/edits to the agenda, please provide these to me by noon on Monday and I'll get the final back out to everyone. I'm still waiting for bridge line confirmation for the districts and will get this number out on Monday.

Thanks.
Laurie

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