Jun 17, 2017

Illinois Department of Natural Resources Illinois Department of Natural Resources IL

Dear Illinois Department of Natural Resources,

I urge you to protect Illinois' natural resources and our public health and safety by denying Woolsey Operating Company LLC's well permit application (HVHHF Review #: 000001).

Hundreds of studies have shown that the practice of hydraulic fracturing pollutes our air, water and soil with toxic, carcinogenic and radioactive materials.

Even without any severe accident (such as the Woolsey well explosion in Fairfield in 2014), we know through air sampling, water testing and infrared footage that fracked wells leak. The proposed well site is within one mile of at least 5 known oil wells, and Woolsey Oil Corporation has a plan to flare excess methane, exposing the area nearby to toxins.

Do not sacrifice the health of Illinoisans and our natural resources for a toxic industry. Please deny the Woolsey Operating Company fracked well permit.

Sincerely,

Mrs. Susan Nowicki
Dear Illinois Department of Natural Resources,

I am writing these comments in regards to the application from Woolsey Operating Company, LLC for a permit under the Hydraulic Fracturing Regulatory Act (HFRA), assigned to Review Number HVHHF-000001. The proposed well (Woodrow #1H-310408-193) in White County, Illinois would threaten public health and safety and the permit application contains a number of issues highlighted below.

The application is woefully lacking in data and information required by the Illinois legislature and Illinois DNR under the rules and regulations of the HFRA that are designed to protect public health and the environment, and so cannot be approved as submitted. For example, the permit application does not give the exact location of the two disposal wells. The locations should be given with GPS coordinates so that the public knows exactly where these wells are located.

From the information that is provided, a number of concerns arise, including but not limited to:

1. The application requests exceptionally large water withdrawals from groundwater resources that are very susceptible to depletion, and fails to include plans to recycle water or otherwise minimize water consumption.
2. The application significantly underestimates flowback volumes, and plans for inadequate containment facilities for even that amount of flowback and other chemicals/wastes that the application does estimate.
3. The application conceals information on hazardous fracking chemicals without attempting to demonstrate entitlement to trade secret protection.
4. The application includes inadequate insurance for the well, with insurance that excludes the very types of damages to private landowners' property that should be protected.
5. The operations as described in the application would fail to preserve topsoil, and the stormwater management plan is inadequate.
6. The application plans for deficient surface and groundwater sampling. Adequate sampling must be required to protect important water sources.

Thank you for your attention to my comments. Illinois DNR should reject the company's inadequate permit application that fails to protect our health and environment.

Sincerely,

Patricia Nuccio

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Dear Illinois Department of Natural Resources,

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Sincerely,

Don Nuenthel

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Oil & Gas Regulatory Staff,

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Do not sacrifice the health of Illinoisans and our natural resources for a toxic industry. It is not right to ask Illinois residents to bear the cost to their health and safety that cracking will incur. Please deny the Woolsey Operating Company fracked well permit.

Erin Haddad-Null
Dear Illinois Department of Natural Resources,

I am writing these comments in regards to the application from Woolsey Operating Company, LLC for a permit under the Hydraulic Fracturing Regulatory Act (HFRA), assigned to Review Number HVHHF-000001. The proposed well (Woodrow #1H-310408-193) in White County, Illinois would threaten public health and safety and the permit application contains a number of issues highlighted below.

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Sincerely,

Linda Nyberg

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Sincerely,

Barbara Oakes

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Sincerely,

Ms. Sarah Oaks
Dear Illinois Department of Natural Resources,

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Sincerely,

Jean O'Brien

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Thank you for your attention to my comments. Illinois DNR should reject the company's inadequate permit application that fails to protect our health and environment.

Sincerely,

Karen O'Brien

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Jun 16, 2017

Illinois Department of Natural Resources Illinois Department of Natural Resources IL

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Do not sacrifice the health of Illinoisans and our natural resources for a toxic industry. Please deny the Woolsey Operating Company fracked well permit.

Sincerely,

Mr. Lawrence OBRIEN
Dear Illinois Department of Natural Resources,

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Please, please stop this!

Do not sacrifice the health of Illinoians and our natural resources for a toxic industry. Please deny the Woolsey Operating Company fracked well permit.

Sincerely,

Ms. Annette O'Connell
Dear Illinois Department of Natural Resources,

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Do not sacrifice the health of Illinoisans and our natural resources for a toxic industry. Please deny the Woolsey Operating Company fracked well permit.

Sincerely,

Mr. Chris Oconnell
Brown, Ronda

From: Food & Water Watch <act@fwwatch.org> on behalf of Gertrude O'Connor <act@fwwatch.org>
Sent: Friday, June 16, 2017 1:18 PM
To: DNR.HFPublicComments
Subject: [External] Public Comment regarding HVHHF Review #:0001

Jun 16, 2017

Illinois Department of Natural Resources Illinois Department of Natural Resources IL

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Sincerely,

Ms. Gertrude O'Connor
The USEPA's final ground water report found nothing to suggest that fracking is a serious risk to groundwater. Impacts to groundwater identified by the report were attributable to activities not exclusive to fracking.

No fewer than 18 reputable studies, including 7 by governmental agencies, have concluded that fracking is not a significant threat to drinking water.

The USGS has stated that fracking is not causing most of the induced earthquakes in the United States. High volume, deep waste water injection from day to day oil and gas operations can under various specific circumstances cause induced seismicity. (No such injection in Illinois).

The overwhelming majority of scientific research stated by environmental activists fails to take actual measurements to support their conclusions and lack evidence of causation. Many of the studies have been part of a campaign by anti-fracking groups to arrive at research to support the anti-fracking agenda. The Hydraulic Fracturing Regulatory Act is over 125 pages and the IDNR regulations are also over 125 pages in length. The Act and the regulations were thoroughly negotiated with representatives from the State, the oil and gas Industry, and the environmental community. All parties had a seat at the table and the fact that the Illinois law and regulations are the most restrictive in the United States indicates the success of all parties to the negotiations obtaining provisions to address their concerns.

Thank You

Robert O'Daniel

Area Manager
Dover Artificial Lift I Harbison-Fischer
1421 N Court Street I Grayville Il 62844
Ph: 618.375.3841 | M 618.384.7615

robert.odaniel@doverals.com | doverals.com
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Sincerely,

Ms. Tracy ODowd
Dear Illinois Department of Natural Resources,

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Sincerely,

Ryan Ogden

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Sincerely,

Kathleen Ogundipe
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Do not sacrifice the health of Illinoisans and our natural resources for a toxic industry. Please deny the Woolsey Operating Company fracked well permit.

Sincerely,

Mrs. Kristen Ohara
I hope my comments on Document NUMBER HVHHF-000001 will underscore the connections between Southern Illinois regional economic development and Germany and Frances’ recent actions prohibiting/restricting fracking.

The Southern Illinois craft beer movement is growing our regional culture and economy. Friends remind me-- I better get tickets for the October Big Muddy Monster Brew Fest. “Pizza now at Ava’s Scratch Brewery”. “Try out Du Quoin’s St Nicholas Brewing Company.” “Go to a must tour at Big Muddy Brewery in Murphysboro.”

Southern Illinois wine, beer and farmer’s markets foster the regionalism identified as key to the sustainable growth of our beautiful region. Fracking will not foster this regionalism. It undermines the very resources needed to sustain these developing markets—good water and soil. Newsweek’s article “German Beer Industry Takes on Fracking” describes fracking’s impact on agriculture, as well as, the successes of anti-fracking coalitions:

“Beer sommelier Sven Foerster notes, ‘Beer is a craft that we Germans have learned well, but it relies on nature to provide the products. Hops, barley malt, yeast and, most important of all, water. Poison the well and you poison the product. Our beer is part of our life, our national soul” (Newsweek, 2014/08/08).

Pressure from Germany’s 1,300 brewers, representing both craft breweries and global players including Becks and Warsteiner, has resulted in a Fracking is ban in Germany until 2021. The legislation largely bans a particularly controversial form of fracking and imposes stricter rules on fracking overall. http://www.dw.com/en/germany-largely-bans-fracking-with-new-laws/a-37510063

Please discuss this aspect of fracking which connects our growing sustainable economic regionalism, with our Lakes- Rend, Cedar, Kinkaid, sources of our bounty. We will be competing for their waters with fracking and fracking will threaten their purity, our health, our region.

Mary O’Hara
Oil & Gas Regulatory Staff,

I urge you to protect Illinois' natural resources and our public health and safety by denying Woolsey Operating Company LLC's well permit application (HVHHF Review #: 000001).

Hundreds of studies have shown that the practice of hydraulic fracturing pollutes our air, water and soil with toxic, carcinogenic and radioactive materials. Not to mention the environmental impacts with the increase of earthquakes that are already effecting people in Oklahoma and Texas. The American Geosciences Institute reports this occurs from the introduction of wastewater and salt water into deep wells.

Even without any severe accident (such as the Woolsey well explosion in Fairfield in 2014), we know through air sampling, water testing and infrared footage that fracked wells leak. The proposed well site is within one mile of at least 5 known oil wells, and Woolsey Oil Corporation has a plan to flare excess methane, exposing the area nearby to toxins.

Do not sacrifice the health of Illinoisans and our natural resources for a toxic industry. The financial benefits and corporate profit should never outweigh the safety of the people you serve. Please deny the Woolsey Operating Company fracked well permit.

Regan O'Kane
Dear Illinois Department of Natural Resources,

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Sincerely,

Mary O'Kiersey
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Sincerely,

Carrie Olds

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Illinois Department of Natural Resources Illinois Department of Natural Resources IL

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Sincerely,

Mr. Mark Oles
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5. The operations as described in the application would fail to preserve topsoil, and the stormwater management plan is inadequate.
6. The application plans for deficient surface and groundwater sampling. Adequate sampling must be required to protect important water sources.

Thank you for your attention to my comments. Illinois DNR should reject the company's inadequate permit application that fails to protect our health and environment.

Read the Time Magazine article about what fracking has done to Oklahoma!! Please, not in Illinois, we have enough problems.

Sincerely,

Mark Oles
This message was sent by KnowWho, as a service provider only, on behalf of the individual noted in the sender information.
Dear Illinois Department of Natural Resources,

I am writing these comments in regards to the application from Woolsey Operating Company, LLC for a permit under the Hydraulic Fracturing Regulatory Act (HFRA), assigned to Review Number HVHHF-000001. The proposed well (Woodrow #1H-310408-193) in White County, Illinois would threaten public health and safety and the permit application contains a number of issues highlighted below.

The application is woefully lacking in data and information required by the Illinois legislature and Illinois DNR under the rules and regulations of the HFRA that are designed to protect public health and the environment, and so cannot be approved as submitted. For example, the permit application does not give the exact location of the two disposal wells. The locations should be given with GPS coordinates so that the public knows exactly where these wells are located.

From the information that is provided, a number of concerns arise, including but not limited to:

1. The application requests exceptionally large water withdrawals from groundwater resources that are very susceptible to depletion, and fails to include plans to recycle water or otherwise minimize water consumption.
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Thank you for your attention to my comments. Illinois DNR should reject the company's inadequate permit application that fails to protect our health and environment.

Sincerely,

Carol A. Olsen

This message was sent by KnowWho, as a service provider only, on behalf of the individual noted in the sender information.
Dear Illinois Department of Natural Resources,

I urge you to protect Illinois' natural resources and our public health and safety by denying Woolsey Operating Company LLC's well permit application (HVHHF Review #: 000001).

Hundreds of studies have shown that the practice of hydraulic fracturing pollutes our air, water and soil with toxic, carcinogenic and radioactive materials.

Even without any severe accident (such as the Woolsey well explosion in Fairfield in 2014), we know through air sampling, water testing and infrared footage that fracked wells leak. The proposed well site is within one mile of at least 5 known oil wells, and Woolsey Oil Corporation has a plan to flare excess methane, exposing the area nearby to toxins.

Do not sacrifice the health of Illinoisans and our natural resources for a toxic industry. Please deny the Woolsey Operating Company fracked well permit.

Sincerely,

Ms. Elinore Olsen
Jun 16, 2017

Illinois Department of Natural Resources Illinois Department of Natural Resources IL

Dear Illinois Department of Natural Resources,

I urge you to protect Illinois' natural resources and our public health and safety by denying Woolsey Operating Company LLC’s well permit application (HVHHF Review #: 000001).

Hundreds of studies have shown that the practice of hydraulic fracturing pollutes our air, water and soil with toxic, carcinogenic and radioactive materials.

Even without any severe accident (such as the Woolsey well explosion in Fairfield in 2014), we know through air sampling, water testing and infrared footage that fracked wells leak. The proposed well site is within one mile of at least 5 known oil wells, and Woolsey Oil Corporation has a plan to flare excess methane, exposing the area nearby to toxins.

Do not sacrifice the health of Illinoisans and our natural resources for a toxic industry. Please deny the Woolsey Operating Company fracked well permit.

Sincerely,

Mrs. Thea Olsen
Dear Illinois Department of Natural Resources,

I urge you to protect Illinois’ natural resources and our public health and safety by denying Woolsey Operating Company LLC’s well permit application (HVHHF Review #: 000001).

Hundreds of studies have shown that the practice of hydraulic fracturing pollutes our air, water and soil with toxic, carcinogenic and radioactive materials.

Even without any severe accident (such as the Woolsey well explosion in Fairfield in 2014), we know through air sampling, water testing and infrared footage that fracked wells leak. The proposed well site is within one mile of at least 5 known oil wells, and Woolsey Oil Corporation has a plan to flare excess methane, exposing the area nearby to toxins. Please don’t do to our state what North Dakota, Texas, and Oklahoma have done to theirs.

Do not sacrifice the health of Illinoisans and our natural resources for a toxic industry. Please deny the Woolsey Operating Company fracked well permit.

Sincerely,

Mr. David Olson
Dear Illinois Department of Natural Resources,

I am writing these comments in regards to the application from Woolsey Operating Company, LLC for a permit under the Hydraulic Fracturing Regulatory Act (HFRA), assigned to Review Number HVHHF-000001. The proposed well (Woodrow #1H-310408-193) in White County, Illinois would threaten public health and safety and the permit application contains a number of issues highlighted below.

The application is woefully lacking in data and information required by the Illinois legislature and Illinois DNR under the rules and regulations of the HFRA that are designed to protect public health and the environment, and so cannot be approved as submitted. For example, the permit application does not give the exact location of the two disposal wells. The locations should be given with GPS coordinates so that the public knows exactly where these wells are located.

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Thank you for your attention to my comments. Illinois DNR should reject the company's inadequate permit application that fails to protect our health and environment.

Sincerely,

Jessica Olson

This message was sent by KnowWho, as a service provider only, on behalf of the individual noted in the sender information.
Dear Illinois Department of Natural Resources,

I am writing these comments in regards to the application from Woolsey Operating Company, LLC for a permit under the Hydraulic Fracturing Regulatory Act (HFRA), assigned to Review Number HVHHF-000001. The proposed well (Woodrow #1H-310408-193) in White County, Illinois would threaten public health and safety and the permit application contains a number of issues highlighted below.

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Thank you for your attention to my comments. Illinois DNR should reject the company's inadequate permit application that fails to protect our health and environment.

Sincerely,

Teresa Omert

This message was sent by KnowWho, as a service provider only, on behalf of the individual noted in the sender information.
Brown, Ronda

From: Linda Onbekent <automail@knowwho.com> Sent You a Personal Message

Sent: Saturday, June 24, 2017 12:18 AM

To: DNR.HFPublicComments

Subject: [External] Review Number HVHHF-000001

Follow Up Flag: Follow up
Flag Status: Flagged

Dear Illinois Department of Natural Resources,

I am writing these comments in regards to the application from Woolsey Operating Company, LLC for a permit under the Hydraulic Fracturing Regulatory Act (HFRA), assigned to Review Number HVHHF-000001. The proposed well (Woodrow #1H-310408-193) in White County, Illinois would threaten public health and safety and the permit application contains a number of issues highlighted below.

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Thank you for your attention to my comments. Illinois DNR should reject the company's inadequate permit application that fails to protect our health and environment.

Sincerely,

Linda Onbekent
This message was sent by KnowWho, as a service provider only, on behalf of the individual noted in the sender information.
Dear Illinois Department of Natural Resources,

I urge you to protect Illinois' natural resources and our public health and safety by denying Woolsey Operating Company LLC's well permit application (HVHHF Review #: 000001).

Hundreds of studies have shown that the practice of hydraulic fracturing pollutes our air, water and soil with toxic, carcinogenic and radioactive materials.

Even without any severe accident (such as the Woolsey well explosion in Fairfield in 2014), we know through air sampling, water testing and infrared footage that fracked wells leak. The proposed well site is within one mile of at least 5 known oil wells, and Woolsey Oil Corporation has a plan to flare excess methane, exposing the area nearby to toxins.

Do not sacrifice the health of Illinoisans and our natural resources for a toxic industry. Please deny the Woolsey Operating Company fracked well permit.

Sincerely,

Mr. Timothy O'Neil
Brown, Ronda

From: Food & Water Watch <act@fwwatch.org> on behalf of Caroline Onischak <act@fwwatch.org>
Sent: Sunday, June 25, 2017 7:22 PM
To: DNR.HFPublicComments
Subject: [External] Public Comment regarding HVHHF Review #:000001

Jun 25, 2017

Illinois Department of Natural Resources Illinois Department of Natural Resources IL

Dear Illinois Department of Natural Resources,

I urge you to protect Illinois’ natural resources and our public health and safety by denying Woolsey Operating Company LLC’s well permit application (HVHHF Review #: 000001).

Hundreds of studies have shown that the practice of hydraulic fracturing pollutes our air, water and soil with toxic, carcinogenic and radioactive materials.

Even without any severe accident (such as the Woolsey well explosion in Fairfield in 2014), we know through air sampling, water testing and infrared footage that fracked wells leak. The proposed well site is within one mile of at least 5 known oil wells, and Woolsey Oil Corporation has a plan to flare excess methane, exposing the area nearby to toxins.

One of the benefits of living in Illinois is access to abundant fresh water. As good water becomes more scarce worldwide, this will remain one of Illinois’ main assets.

Do not sacrifice the health of Illinoisans and our natural resources for a toxic industry. Please deny the Woolsey Operating Company fracked well permit.

Sincerely,

Ms. Caroline Onischak
Dear Illinois Department of Natural Resources,

I am writing these comments in regards to the application from Woolsey Operating Company, LLC for a permit under the Hydraulic Fracturing Regulatory Act (HFRA), assigned to Review Number HVHHF-000001. The proposed well (Woodrow #1H-310408-193) in White County, Illinois would threaten public health and safety and the permit application contains a number of issues highlighted below.

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6. The application plans for deficient surface and groundwater sampling. Adequate sampling must be required to protect important water sources.

Thank you for your attention to my comments. Illinois DNR should reject the company's inadequate permit application that fails to protect our health and environment.

Sincerely,

Toni Oplt

This message was sent by KnowWho, as a service provider only, on behalf of the individual noted in the sender information.
Jun 20, 2017

Illinois Department of Natural Resources Illinois Department of Natural Resources IL

Dear Illinois Department of Natural Resources,

I urge you to protect Illinois' natural resources and our public health and safety by denying Woolsey Operating Company LLC's well permit application (HVHHF Review #: 000001).

Hundreds of studies have shown that the practice of hydraulic fracturing pollutes our air, water and soil with toxic, carcinogenic and radioactive materials.

Even without any severe accident (such as the Woolsey well explosion in Fairfield in 2014), we know through air sampling, water testing and infrared footage that fracked wells leak. The proposed well site is within one mile of at least 5 known oil wells, and Woolsey Oil Corporation has a plan to flare excess methane, exposing the area nearby to toxins.

Illinois is poised to move forward with green energy plans and jobs. I live in Madison County where solar energy and the jobs that follow it are booming. Let's not move backward. The health and welfare of Illinois communities rest in your hands. Protect people and the beautiful land of Illinois; not the dirty profits of Woolsey Operating Company LLC. Clean water and air are human rights.

Do not sacrifice the health of Illinoisans and our natural resources for a toxic industry. Please deny the Woolsey Operating Company fracked well permit.

Sincerely,

Ms. Toni Oplt
Dear Illinois Department of Natural Resources,

I am writing these comments in regards to the application from Woolsey Operating Company, LLC for a permit under the Hydraulic Fracturing Regulatory Act (HFRA), assigned to Review Number HVHHF-000001. The proposed well (Woodrow #1H-310408-193) in White County, Illinois would threaten public health and safety and the permit application contains a number of issues highlighted below.

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Thank you for your attention to my comments. Illinois DNR should reject the company's inadequate permit application that fails to protect our health and environment.

Sincerely,

Toni Oplt
Brown, Ronda

From: Toni Oplt Sent You a Personal Message <automail@knowwho.com>
Sent: Thursday, June 29, 2017 6:07 AM
To: DNR.HFPublicComments
Subject: [External] Review Number HVHHF-000001

Dear Illinois Department of Natural Resources,

I am writing these comments in regards to the application from Woolsey Operating Company, LLC for a permit under the Hydraulic Fracturing Regulatory Act (HFRA), assigned to Review Number HVHHF-000001. The proposed well (Woodrow #1H-310408-193) in White County, Illinois would threaten public health and safety and the permit application contains a number of issues highlighted below.

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Thank you for your attention to my comments. Illinois DNR should reject the company's inadequate permit application that fails to protect our health and environment.

Sincerely,

Toni Oplt

This message was sent by KnowWho, as a service provider only, on behalf of the individual noted in the sender information.
Dear Illinois Department of Natural Resources,

I urge you to protect Illinois' natural resources and our public health and safety by denying Woolsey Operating Company LLC's well permit application (HVHFF Review #: 000001).

Hundreds of studies have shown that the practice of hydraulic fracturing pollutes our air, water and soil with toxic, carcinogenic and radioactive materials.

Even without any severe accident (such as the Woolsey well explosion in Fairfield in 2014), we know through air sampling, water testing and infrared footage that fracked wells leak. The proposed well site is within one mile of at least 5 known oil wells, and Woolsey Oil Corporation has a plan to flare excess methane, exposing the area nearby to toxins.

Do not sacrifice the health of Illinoisans and our natural resources for a toxic industry. Please deny the Woolsey Operating Company fracked well permit.

Sincerely,

Mrs. Lisa Orbon
Jun 16, 2017

Illinois Department of Natural Resources Illinois Department of Natural Resources IL

Dear Illinois Department of Natural Resources,

I urge you to protect Illinois' natural resources and our public health and safety by denying Woolsey Operating Company LLC's well permit application (HVHHF Review #: 000001).

Hundreds of studies have shown that the practice of hydraulic fracturing pollutes our air, water and soil with toxic, carcinogenic and radioactive materials.

Even without any severe accident (such as the Woolsey well explosion in Fairfield in 2014), we know through air sampling, water testing and infrared footage that fracked wells leak. The proposed well site is within one mile of at least 5 known oil wells, and Woolsey Oil Corporation has a plan to flare excess methane, exposing the area nearby to toxins.

Do not sacrifice the health of Illinoisans and our natural resources for a toxic industry. Please deny the Woolsey Operating Company fracked well permit.

Sincerely,

Ms. Melissa Oresky
Dear Illinois Department of Natural Resources,

I am writing these comments in regards to the application from Woolsey Operating Company, LLC for a permit under the Hydraulic Fracturing Regulatory Act (HFRA), assigned to Review Number HVHHF-000001. The proposed well (Woodrow #1H-310408-193) in White County, Illinois would threaten public health and safety and the permit application contains a number of issues highlighted below.

The application is woefully lacking in data and information required by the Illinois legislature and Illinois DNR under the rules and regulations of the HFRA that are designed to protect public health and the environment, and so cannot be approved as submitted. For example, the permit application does not give the exact location of the two disposal wells. The locations should be given with GPS coordinates so that the public knows exactly where these wells are located.

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Thank you for your attention to my comments. Illinois DNR should reject the company's inadequate permit application that fails to protect our health and environment.

Sincerely,

Dominic Orlando

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Dear Illinois Department of Natural Resources,

I urge you to protect Illinois' natural resources and our public health and safety by denying Woolsey Operating Company LLC's well permit application (HVHHF Review #: 000001).

Hundreds of studies have shown that the practice of hydraulic fracturing pollutes our air, water and soil with toxic, carcinogenic and radioactive materials.

Even without any severe accident (such as the Woolsey well explosion in Fairfield in 2014), we know through air sampling, water testing and infrared footage that fracked wells leak. The proposed well site is within one mile of at least 5 known oil wells, and Woolsey Oil Corporation has a plan to flare excess methane, exposing the area nearby to toxins.

Do not sacrifice the health of Illinoians and our natural resources for a toxic industry. Please deny the Woolsey Operating Company fracked well permit.

Sincerely,

Ms. Sue Orlet
Jun 16, 2017

Illinois Department of Natural Resources Illinois Department of Natural Resources IL

Dear Illinois Department of Natural Resources,

I urge you to protect Illinois' natural resources and our public health and safety by denying Woolsey Operating Company LLC's well permit application (HVHHF Review #: 000001).

Anyone with just a bit of common sense knows that this is wrong for Illinois and wrong for America.

Hundreds of studies have shown that the practice of hydraulic fracturing pollutes our air, water and soil with toxic, carcinogenic and radioactive materials. Would you let your children play near one of these wells?

Even without any severe accident (such as the Woolsey well explosion in Fairfield in 2014), we know through air sampling, water testing and infrared footage that fracked wells leak. The proposed well site is within one mile of at least 5 known oil wells, and Woolsey Oil Corporation has a plan to flare excess methane, exposing the area nearby to toxins.

Do not sacrifice the health of Illinoisans and our natural resources for a toxic industry. Please deny the Woolsey Operating Company fracked well permit.

Sincerely,

Mr. Mitchell Orman
Dear Illinois Department of Natural Resources,

I am writing these comments in regards to the application from Woolsey Operating Company, LLC for a permit under the Hydraulic Fracturing Regulatory Act (HFRA), assigned to Review Number HVHHF-000001. The proposed well (Woodrow #1H-310408-193) in White County, Illinois would threaten public health and safety and the permit application contains a number of issues highlighted below.

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Thank you for your attention to my comments. Illinois DNR should reject the company's inadequate permit application that fails to protect our health and environment.

Sincerely,

Mitchell Orman
Dear Illinois Department of Natural Resources,

I urge you to protect Illinois' natural resources and our public health and safety by denying Woolsey Operating Company LLC's well permit application (HVHHF Review #: 000001).

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Sincerely,

Ms. Carol Oros
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Thank you for your attention to my comments. Illinois DNR should reject the company's inadequate permit application that fails to protect our health and environment.

Sincerely,

Nancy Orozco

This message was sent by KnowWho, as a service provider only, on behalf of the individual noted in the sender information.
Dear Illinois Department of Natural Resources,

I urge you to protect Illinois’ natural resources and our public health and safety by denying Woolsey Operating Company LLC’s well permit application (HVHHF Review #: 000001).

Hundreds of studies have shown that the practice of hydraulic fracturing pollutes our air, water and soil with toxic, carcinogenic and radioactive materials.

Even without any severe accident (such as the Woolsey well explosion in Fairfield in 2014), we know through air sampling, water testing and infrared footage that fracked wells leak. The proposed well site is within one mile of at least 5 known oil wells, and Woolsey Oil Corporation has a plan to flare excess methane, exposing the area nearby to toxins.

Do not sacrifice the health of Illinoisans and our natural resources for a toxic industry. Please deny the Woolsey Operating Company fracked well permit.

Sincerely,

Ms. Deborah Orr
Dear Illinois Department of Natural Resources,

I am writing these comments in regards to the application from Woolsey Operating Company, LLC for a permit under the Hydraulic Fracturing Regulatory Act (HFRA), assigned to Review Number HVHHF-000001. The proposed well (Woodrow #1H-310408-193) in White County, Illinois would threaten public health and safety and the permit application contains a number of issues highlighted below.

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Thank you for your attention to my comments. Illinois DNR should reject the company's inadequate permit application that fails to protect our health and environment.

Sincerely,

Deborah Orr

This message was sent by KnowWho, as a service provider only, on behalf of the individual noted in the sender information.
Dear Illinois Department of Natural Resources,

I am writing these comments in regards to the application from Woolsey Operating Company, LLC for a permit under the Hydraulic Fracturing Regulatory Act (HFRA), assigned to Review Number HVHHF-000001. The proposed well (Woodrow #1H-310408-193) in White County, Illinois would threaten public health and safety and the permit application contains a number of issues highlighted below.

The application is woefully lacking in data and information required by the Illinois legislature and Illinois DNR under the rules and regulations of the HFRA that are designed to protect public health and the environment, and so cannot be approved as submitted. For example, the permit application does not give the exact location of the two disposal wells. The locations should be given with GPS coordinates so that the public knows exactly where these wells are located.

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Thank you for your attention to my comments. Illinois DNR should reject the company's inadequate permit application that fails to protect our health and environment.

Sincerely,

Susan Osada
Dear Illinois Department of Natural Resources,

I urge you to protect Illinois' natural resources and our public health and safety by denying Woolsey Operating Company LLC's well permit application (HVHHF Review #: 000001).

Hundreds of studies have shown that the practice of hydraulic fracturing pollutes our air, water and soil with toxic, carcinogenic and radioactive materials.

Even without any severe accident (such as the Woolsey well explosion in Fairfield in 2014), we know through air sampling, water testing and infrared footage that fracked wells leak. The proposed well site is within one mile of at least 5 known oil wells, and Woolsey Oil Corporation has a plan to flare excess methane, exposing the area nearby to toxins.

Do not sacrifice the health of Illinoisans and our natural resources for a toxic industry. Please deny the Woolsey Operating Company fracked well permit.

Sincerely,

Ms. Susan Osada
Jun 16, 2017

Illinois Department of Natural Resources
Illinois Department of Natural Resources IL

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I urge you to protect Illinois’ natural resources and our public health and safety by denying Woolsey Operating Company LLC’s well permit application (HVHHF Review #: 000001).

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Sincerely,

Ms. Teresa Osburn
Dear Illinois Department of Natural Resources,

I am writing these comments in regards to the application from Woolsey Operating Company, LLC for a permit under the Hydraulic Fracturing Regulatory Act (HFRA), assigned to Review Number HVHHF-000001. The proposed well (Woodrow #1H-310408-193) in White County, Illinois would threaten public health and safety and the permit application contains a number of issues highlighted below.

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Thank you for your attention to my comments. Illinois DNR should reject the company's inadequate permit application that fails to protect our health and environment.

Sincerely,

Teresa Jewett Osburn
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Thank you for your attention to my comments. Illinois DNR should reject the company's inadequate permit application that fails to protect our health and environment.

Sincerely,

Diana Oskroba

This message was sent by KnowWho, as a service provider only, on behalf of the individual noted in the sender information.
Dear Illinois Department of Natural Resources,

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Thank you for your attention to my comments. Illinois DNR should reject the company's inadequate permit application that fails to protect our health and environment.

Sincerely,

Maryjo Osowski

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Sincerely,

Judith Osterman

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Dear Illinois Department of Natural Resources,  

I urge you to protect Illinois' natural resources and our public health and safety by denying Woolsey Operating Company LLC's well permit application (HVHHF Review #: 000001).

Hundreds of studies have shown that the practice of hydraulic fracturing pollutes our air, water and soil with toxic, carcinogenic and radioactive materials. Even without any severe accident (such as the Woolsey well explosion in Fairfield in 2014), we know through air sampling, water testing and infrared footage that fracked wells leak. The proposed well site is within one mile of at least 5 known oil wells, and Woolsey Oil Corporation has a plan to flare excess methane, exposing the area nearby to toxins.

No one can drink oil. Fresh water is more important than an area destroyed in order to get at some more oil. Oklahoma has experienced several man-made earthquakes caused by fracking. Methane gas has come from water spigots in Colorado as a result of fracking. People in Pennsylvania who sold their land to oil companies, were held responsible for damage done by the oil companies that fracked the land and disrupted the water table.

Frackers are irresponsible for the damage they do. This very company, Woolsey Oil Corporation, is still in the middle of a lawsuit involving exploding wells dating back to 2014. As prudent residents of Illinois, we should not allow fracking in our state at all, and we should particularly deny access to any state sites to companies with histories of a criminal disregard for environmental issues.

Do not sacrifice the health of Illinoisans and our natural resources for a toxic industry. Please deny the Woolsey Operating Company fracked well permit.

Sincerely,

Ms. Leah Ostrar
Dear Illinois Department of Natural Resources,

I am writing these comments in regards to the application from Woolsey Operating Company, LLC for a permit under the Hydraulic Fracturing Regulatory Act (HFRA), assigned to Review Number HVHHF-000001. The proposed well (Woodrow #1H-310408-193) in White County, Illinois would threaten public health and safety and the permit application contains a number of issues highlighted below.

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Thank you for your attention to my comments. Illinois DNR should reject the company's inadequate permit application that fails to protect our health and environment.

Sincerely,

Janet Ostrowski
This message was sent by KnowWho, as a service provider only, on behalf of the individual noted in the sender information.
Jun 26, 2017

Illinois Department of Natural Resources Illinois Department of Natural Resources IL

Dear Illinois Department of Natural Resources,

I urge you to protect Illinois' natural resources and our public health and safety by denying Woolsey Operating Company LLC's well permit application (HVHHF Review #: 000001).

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Sincerely,

Mr. Richard J Osty
Oil & Gas Regulatory Staff,

I urge you to protect Illinois' natural resources and our public health and safety by denying Woolsey Operating Company LLC's well permit application (HVHHF Review #: 000001).

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Do not sacrifice the health of Illinoisans and our natural resources for a toxic industry. Please deny the Woolsey Operating Company fracked well permit.

Sarah Otmanski
To whom it may concern,
I am opposed to the Woolsey Operating Company's application for a high volume horizontal hydraulic fracturing permit in White County, IL.

The proposal to introduce this operation in White County would be perilous for generations to come. Other fracking sites have been met with dangerous accidents and situations that negatively impact their local and State governments.

The proposal will not improve our State's economy. We should invest instead in solar, wind, and other sustainable energy production technologies. The US DOE 2017 Employment Report shows that solar energy employs more Americans in electricity power generation than coal, oil, natural gas, and advanced gas combined. Wind is in second. It is in these types of energy production methods that our future lies. Let's continuing moving this way and away from proposals for hydraulic fracturing.

Sincerely,
Kristen O'Toole
Dear Illinois Department of Natural Resources,

I am writing these comments in regards to the application from Woolsey Operating Company, LLC for a permit under the Hydraulic Fracturing Regulatory Act (HFRA), assigned to Review Number HVHHF-000001. The proposed well (Woodrow #1H-310408-193) in White County, Illinois would threaten public health and safety and the permit application contains a number of issues highlighted below.

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Thank you for your attention to my comments. Illinois DNR should reject the company's inadequate permit application that fails to protect our health and environment.

Sincerely,

Gretchen Otten

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Dear Illinois Department of Natural Resources,

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Do not sacrifice the health of Illinoisans and our natural resources for a toxic industry. Please deny the Woolsey Operating Company fracked well permit.

Sincerely,

Mr. Charles Otto
Oil & Gas Regulatory Staff,

I'll be seeing you guys on Tuesday.

Charles Otto
Dear Illinois Department of Natural Resources,

I am writing these comments in regards to the application from Woolsey Operating Company, LLC for a permit under the Hydraulic Fracturing Regulatory Act (HFRA), assigned to Review Number HVHHF-000001. The proposed well (Woodrow #1H-310408-193) in White County, Illinois would threaten public health and safety and the permit application contains a number of issues highlighted below.

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Sincerely,

Charles Otto

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Jun 16, 2017

Illinois Department of Natural Resources

Dear Illinois Department of Natural Resources,

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Sincerely,

Mr. Sean Overton
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Sincerely,

Myra Owczarzak

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Sincerely,

Mrs. Linda Owens
Dear Illinois Department of Natural Resources,

I am writing these comments in regards to the application from Woolsey Operating Company, LLC for a permit under the Hydraulic Fracturing Regulatory Act (HFRA), assigned to Review Number HVHHF-000001. The proposed well (Woodrow #1H-310408-193) in White County, Illinois would threaten public health and safety and the permit application contains a number of issues highlighted below.

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Thank you for your attention to my comments. Illinois DNR should reject the company's inadequate permit application that fails to protect our health and environment.

Sincerely,

Linda Owens
To Oil and Gas Regulatory Staff at IDNR:

I am writing as a long-time resident of Illinois and as a member of the People's Lobby to express my concern about Woolsey Operating Company's application for a fracking permit, No. HVHHF #000001. Because this is the first application you will consider, it is very important that you apply the requirements of the law and regulations strictly and rigorously. After the first permit has been issued, more applications will come, and inevitably, subsequent applicants will try to push the limits.

I urge you to apply the law and regulations as stringently as possible because we won't get any do-overs to prevent the poisoning of our drinking water once it occurs. Please require Woolsey and all future applicants to meet their burden to show that they are doing everything they can to prevent harm to the environment:

- minimizing the use of the public water supply;
- fully disclosing all chemicals or substances they plan to use in every phase of the fracking process;
- assuring the integrity of their tanks, wells, and other containers to prevent leaks and spillage; and
- having sufficient back-ups and redundancies to protect against irreversible human error to the extent possible.

According to a study released by the EPA in December 2016, the most frequent causes of contamination of the water supply throughout the fracking cycle are equipment failure and human error. Woolsey’s inattention to detail in its revised application, which other commenters will discuss thoroughly, does not inspire confidence in its commitment to the environment or public safety. You and your expertise are all that
stands between Woolsey’s operations and the clean, safe supply of drinking water that the people of Southern Illinois deserve.

Sincerely,

Michelle L. Oxman
Oil & Gas Regulatory Staff,

I urge you to protect Illinois' natural resources and our public health and safety by denying Woolsey Operating Company LLC's well permit application (HVHHF Review #: 000001).

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Melis Ozkan
Jun 17, 2017

Illinois Department of Natural Resources Illinois Department of Natural Resources IL

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Sincerely,

Ms. Sue Paasch
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6. The application plans for deficient surface and groundwater sampling. Adequate sampling must be required to protect important water sources.

Thank you for your attention to my comments. Illinois DNR should reject the company's inadequate permit application that fails to protect our health and environment.

Sincerely,

Nicole Pacelli

This message was sent by KnowWho, as a service provider only, on behalf of the individual noted in the sender information.
Dear Illinois Department of Natural Resources,

I am writing these comments in regards to the application from Woolsey Operating Company, LLC for a permit under the Hydraulic Fracturing Regulatory Act (HFRA), assigned to Review Number HVHHF-000001. The proposed well (Woodrow #1H-310408-193) in White County, Illinois would threaten public health and safety and the permit application contains a number of issues highlighted below.

The application is woefully lacking in data and information required by the Illinois legislature and Illinois DNR under the rules and regulations of the HFRA that are designed to protect public health and the environment, and so cannot be approved as submitted. For example, the permit application does not give the exact location of the two disposal wells. The locations should be given with GPS coordinates so that the public knows exactly where these wells are located.

From the information that is provided, a number of concerns arise, including but not limited to:

1. The application requests exceptionally large water withdrawals from groundwater resources that are very susceptible to depletion, and fails to include plans to recycle water or otherwise minimize water consumption.
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6. The application plans for deficient surface and groundwater sampling. Adequate sampling must be required to protect important water sources.

Thank you for your attention to my comments. Illinois DNR should reject the company's inadequate permit application that fails to protect our health and environment.

Sincerely,

Jen Packheiser
This message was sent by KnowWho, as a service provider only, on behalf of the individual noted in the sender information.
Jun 16, 2017

Illinois Department of Natural Resources

Dear Illinois Department of Natural Resources,

I urge you to protect Illinois' natural resources and our public health and safety by denying Woolsey Operating Company LLC's well permit application (HVHHF Review #: 000001).

Hundreds of studies have shown that the practice of hydraulic fracturing pollutes our air, water and soil with toxic, carcinogenic and radioactive materials.

Even without any severe accident (such as the Woolsey well explosion in Fairfield in 2014), we know through air sampling, water testing and infrared footage that fracked wells leak. The proposed well site is within one mile of at least 5 known oil wells, and Woolsey Oil Corporation has a plan to flare excess methane, exposing the area nearby to toxins.

Do not sacrifice the health of Illinoisans and our natural resources for a toxic industry. Please deny the Woolsey Operating Company fracked well permit.

Sincerely,

Ms. Suzanne Padalino
Dear Sir or Madam,

I am writing in support of the High Volume Horizontal Hydraulic Fracturing application for the Woodrow #1H-310408-193. I have no vested interest in this well and, in fact, Woolsey being successful in this endeavor would negatively impact my business because I would have to compete with them for leasing land. But they have followed the draconian application process that the state has laid out and should be allowed to complete this well. I could list dozens of reputable studies and reports that show fracting is a safe process and has been carried out in the United States and Illinois for 60 plus years. These include, but are not limited to, reports from USEPA, USGS and Ohio EPA.

No doubt the IDNR will be inundated with comments from uninformed people that have bought into the dramaqueenry of the anti-fracing (anti-development) groups. Nearly all of these people will not be from the region around the well. They will not be impacted by it negatively or positively in any significant way. The White County locals will be impacted positively in an economic way. Currently about 12 percent of the population in White County lives below the poverty line. A viable shale oil play in Southeastern Illinois will have a significant impact on the economy there and for the state. Not to mention the wealth that these wells bring the land holders. Wealth that is often used in this state.

Let this High Volume Horizontal Hydraulic Frac happen. Let it have a positive impact on the lives of the people in the region. Lords knows, they need it

--

Rod Padgett
Dear Illinois Department of Natural Resources,

I am writing these comments in regards to the application from Woolsey Operating Company, LLC for a permit under the Hydraulic Fracturing Regulatory Act (HFRA), assigned to Review Number HVHHF-000001. The proposed well (Woodrow #1H-310408-193) in White County, Illinois would threaten public health and safety and the permit application contains a number of issues highlighted below.

The application is woefully lacking in data and information required by the Illinois legislature and Illinois DNR under the rules and regulations of the HFRA that are designed to protect public health and the environment, and so cannot be approved as submitted. For example, the permit application does not give the exact location of the two disposal wells. The locations should be given with GPS coordinates so that the public knows exactly where these wells are located.

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6. The application plans for deficient surface and groundwater sampling. Adequate sampling must be required to protect important water sources.

Thank you for your attention to my comments. Illinois DNR should reject the company's inadequate permit application that fails to protect our health and environment.

Sincerely,

lou padilla

This message was sent by KnowWho, as a service provider only, on behalf of the individual noted in the sender information.
Oil & Gas Regulatory Staff,

Fracking is not what we need in Illinois. Safe, renewable energy sources are what we need to invest in.

I urge you to protect Illinois' natural resources and our public health and safety by denying Woolsey Operating Company LLC's well permit application (HVHHF Review #: 000001).

Hundreds of studies have shown that the practice of hydraulic fracturing pollutes our air, water and soil with toxic, carcinogenic and radioactive materials.

Even without any severe accident (such as the Woolsey well explosion in Fairfield in 2014), we know through air sampling, water testing and infrared footage that fracked wells leak. The proposed well site is within one mile of at least 5 known oil wells, and Woolsey Oil Corporation has a plan to flare excess methane, exposing the area nearby to toxins.

Do not sacrifice the health of Illinoisans and our natural resources for a toxic industry. Please deny the Woolsey Operating Company fracked well permit.

Jen Pagnini
Dear IDNR Oil and Gas Regulatory Staff:

I am writing as a concerned citizen of Illinois regarding the Woolsey Operating Company's application for a High Volume Hydraulic Fracturing Permit (HVHHF #000001).

The Woolsey application does not sufficiently address water source and storage capacity management. Please review the attached comments as they highlight areas of deficiency in both the supplemental information and the original application.

Woolsey's inability to complete a full and complete initial application to engage in high volume horizontal fracking raises immediate concerns about their capacity to adhere to the letter or spirit of the Hydraulic Fracturing Regulatory Act (HFRA).

Woolsey should not be given a permit to engage in fracking in the state of Illinois. The water supplies, health, safety, and livelihoods of the residents of southern Illinois should be protected over the interests of The Woolsey Companies.

Sincerely,
Dear IDNR Oil and Gas Regulatory Staff:

I am writing as a concerned citizen of Illinois regarding the Woolsey Operating Company's application for a High Volume Hydraulic Fracturing Permit (HVHHF #000001).

The Woolsey application does not sufficiently address water source and storage capacity management. Please review the attached comments as they highlight areas of deficiency in both the supplemental information and the original application.

Woolsey's inability to complete a full and complete initial application to engage in high volume horizontal fracking raises immediate concerns about their capacity to adhere to the letter or spirit of the Hydraulic Fracturing Regulatory Act (HFRA).

Woolsey should not be given a permit to engage in fracking in the state of Illinois. The water supplies, health, safety, and livelihoods of the residents of southern Illinois should be protected over the interests of The Woolsey Companies.

Sincerely,
Jen Pagnini

Sent July 23, 2017
Dear Illinois Department of Natural Resources,

I write in regards to the application from Woolsey Operating Company, LLC for a permit under the Hydraulic Fracturing Regulatory Act (HFRA), assigned to Review Number HVHFF-000001. The proposed well (Woodrow #1H-310408-193) in White County, Illinois would threaten public health and safety and the permit application contains a number of issues highlighted below.

The application is woefully lacking in data and information required by the Illinois legislature and Illinois DNR under the rules and regulations of the HFRA that are designed to protect public health and the environment, and so cannot be approved as submitted. For example, the permit application does not give the exact location of the two disposal wells. The locations should be given with GPS coordinates so that the public knows exactly where these wells are located.

From the information that is provided, a number of concerns arise, including but not limited to:

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6. The application plans for deficient surface and groundwater sampling. Adequate sampling must be required to protect important water sources.

Thank you for your attention to my comments. Illinois DNR should reject the company's inadequate permit application that fails to protect our health and environment.

Sincerely,

John Martin
Dear Illinois Department of Natural Resources,

I am writing these comments in regards to the application from Woolsey Operating Company, LLC for a permit under the Hydraulic Fracturing Regulatory Act (HFRA), assigned to Review Number HVHHF-000001. The proposed well (Woodrow #1H-310408-193) in White County, Illinois would threaten public health and safety and the permit application contains a number of issues highlighted below.

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6. The application plans for deficient surface and groundwater sampling. Adequate sampling must be required to protect important water sources.

Thank you for your attention to my comments. Illinois DNR should reject the company's inadequate permit application that fails to protect our health and environment.

Sincerely,

Michael Martin

This message was sent by KnowWho, as a service provider only, on behalf of the individual noted in the sender information.
Dear Illinois Department of Natural Resources,

I write in regards to the application from Woolsey Operating Company, LLC for a permit under the Hydraulic Fracturing Regulatory Act (HFRA), assigned to Review Number HVHHF-000001. The proposed well (Woodrow #1H-310408-193) in White County, Illinois would threaten public health and safety and the permit application contains a number of issues highlighted below.

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Thank you for your attention to my comments. Illinois DNR should reject the company's inadequate permit application that fails to protect our health and environment.

Sincerely,

Rose Martin
Oil & Gas Regulatory Staff,

We urge you to protect Illinois' natural resources and our public health and safety by denying Woolsey Operating Company LLC's well permit application (HVHHF Review #: 000001).

Hundreds of studies have shown that the practice of hydraulic fracturing pollutes our air, water and soil with toxic, carcinogenic and radioactive materials.

Even without any severe accident (such as the Woolsey well explosion in Fairfield in 2014), we know through air sampling, water testing and infrared footage that fracked wells leak. The proposed well site is within one mile of at least 5 known oil wells, and Woolsey Oil Corporation has a plan to flare excess methane, exposing the area nearby to toxins.

Do not sacrifice the health of Illinoisans and our natural resources for a toxic industry. Please deny the Woolsey Operating Company fracked well permit.

John and Rose Martin
Jun 16, 2017

Illinois Department of Natural Resources Illinois Department of Natural Resources IL

Dear Illinois Department of Natural Resources,

I urge you to protect Illinois' natural resources and our public health and safety by denying Woolsey Operating Company LLC's well permit application (HVHHF Review #: 000001).

Hundreds of studies have shown that the practice of hydraulic fracturing pollutes our air, water and soil with toxic, carcinogenic and radioactive materials.

Even without any severe accident (such as the Woolsey well explosion in Fairfield in 2014), we know through air sampling, water testing and infrared footage that fracked wells leak. The proposed well site is within one mile of at least 5 known oil wells, and Woolsey Oil Corporation has a plan to flare excess methane, exposing the area nearby to toxins.

Do not sacrifice the health of Illinoisans and our natural resources for a toxic industry. Please deny the Woolsey Operating Company fracked well permit.

Sincerely,

Mr. Alec Martinez
Dear Illinois Department of Natural Resources,

I urge you to protect Illinois' natural resources and our public health and safety by denying Woolsey Operating Company LLC's well permit application (HVHHF Review #: 000001).

Hundreds of studies have shown that the practice of hydraulic fracturing pollutes our air, water and soil with toxic, carcinogenic and radioactive materials.

Even without any severe accident (such as the Woolsey well explosion in Fairfield in 2014), we know through air sampling, water testing and infrared footage that fracked wells leak. The proposed well site is within one mile of at least 5 known oil wells, and Woolsey Oil Corporation has a plan to flare excess methane, exposing the area nearby to toxins.

Do not sacrifice the health of Illinoisans and our natural resources for a toxic industry. Please deny the Woolsey Operating Company fracked well permit.

Sincerely,

Ms. Patricia Martinez
Dear Illinois Department of Natural Resources,

I am writing these comments in regards to the application from Woolsey Operating Company, LLC for a permit under the Hydraulic Fracturing Regulatory Act (HFRA), assigned to Review Number HVHHF-000001. The proposed well (Woodrow #1H-310408-193) in White County, Illinois would threaten public health and safety and the permit application contains a number of issues highlighted below.

The application is woefully lacking in data and information required by the Illinois legislature and Illinois DNR under the rules and regulations of the HFRA that are designed to protect public health and the environment, and so cannot be approved as submitted. For example, the permit application does not give the exact location of the two disposal wells. The locations should be given with GPS coordinates so that the public knows exactly where these wells are located.

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5. The operations as described in the application would fail to preserve topsoil, and the stormwater management plan is inadequate.
6. The application plans for deficient surface and groundwater sampling. Adequate sampling must be required to protect important water sources.

Thank you for your attention to my comments. Illinois DNR should reject the company's inadequate permit application that fails to protect our health and environment.

Sincerely,

Patricia Martinez
This message was sent by KnowWho, as a service provider only, on behalf of the individual noted in the sender information.
Dear Illinois Department of Natural Resources,

I am writing these comments in regards to the application from Woolsey Operating Company, LLC for a permit under the Hydraulic Fracturing Regulatory Act (HFRA), assigned to Review Number HVHHF-000001. The proposed well (Woodrow #1H-310408-193) in White County, Illinois would threaten public health and safety and the permit application contains a number of issues highlighted below.

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Thank you for your attention to my comments. Illinois DNR should reject the company's inadequate permit application that fails to protect our health and environment.

Sincerely,

Tim Martz

This message was sent by KnowWho, as a service provider only, on behalf of the individual noted in the sender information.
Brown, Ronda

From: Food & Water Watch <act@fwwatch.org> on behalf of Gregg Marvel <act@fwwatch.org>
Sent: Friday, June 16, 2017 3:41 PM
To: DNR.HFPublicComments
Subject: [External] Public Comment regarding HVHHF Review #:000001

Jun 16, 2017

Illinois Department of Natural Resources Illinois Department of Natural Resources IL

Dear Illinois Department of Natural Resources,

I urge you to approve Woolsey Operating Company LLC's well permit application (HVHHF Review #: 000001). I ask that proper safety precautions are taken. I am from Wyoming and understand that some concerns over fracking are over stated. I am an environmental chemist.

Do not sacrifice the health of Illinoisans and our natural resources for a toxic industry. Please deny the Woolsey Operating Company fracked well permit.

Sincerely,

Mr. Gregg Marvel
Dear Illinois Department of Natural Resources,

I am writing these comments in regards to the application from Woolsey Operating Company, LLC for a permit under the Hydraulic Fracturing Regulatory Act (HFRA), assigned to Review Number HVHHF-000001. The proposed well (Woodrow #1H-310408-193) in White County, Illinois would threaten public health and safety and the permit application contains a number of issues highlighted below.

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Thank you for your attention to my comments. Illinois DNR should reject the company's inadequate permit application that fails to protect our health and environment.

Sincerely,

Patricia Maryniak
This message was sent by KnowWho, as a service provider only, on behalf of the individual noted in the sender information.
Dear Illinois Department of Natural Resources,

I am writing these comments in regards to the application from Woolsey Operating Company, LLC for a permit under the Hydraulic Fracturing Regulatory Act (HFRA), assigned to Review Number HVHHF-000001. The proposed well (Woodrow #1H-310408-193) in White County, Illinois would threaten public health and safety and the permit application contains a number of issues highlighted below.

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5. The operations as described in the application would fail to preserve topsoil, and the stormwater management plan is inadequate.
6. The application plans for deficient surface and groundwater sampling. Adequate sampling must be required to protect important water sources.

We cannot afford to experience the effects that other states have had - increased water pollution, earthquakes or ground contamination. I am vehemently opposed to fracking anywhere, but especially in our home state of Illinois.

Thank you for your attention to my comments. Illinois DNR should reject the company's inadequate permit application that fails to protect our health and environment.

Sincerely,

Susan Masaracchia-Roberts
This message was sent by KnowWho, as a service provider only, on behalf of the individual noted in the sender information.
Oil & Gas Regulatory Staff,

I urge you to protect Illinois' natural resources and our public health and safety by denying Woolsey Operating Company LLC's well permit application (HVHFH Review #: 000001).

Hundreds of studies have shown that the practice of hydraulic fracturing pollutes our air, water and soil with toxic, carcinogenic and radioactive materials.

Even without any severe accident (such as the Woolsey well explosion in Fairfield in 2014), we know through air sampling, water testing and infrared footage that fracked wells leak. The proposed well site is within one mile of at least 5 known oil wells, and Woolsey Oil Corporation has a plan to flare excess methane, exposing the area nearby to toxins.

Do not sacrifice the health of Illinoisans and our natural resources for a toxic industry. Please deny the Woolsey Operating Company fracked well permit.

Sarah Masaryk
Dear Illinois Department of Natural Resources,

I am writing these comments in regards to the application from Woolsey Operating Company, LLC for a permit under the Hydraulic Fracturing Regulatory Act (HFRA), assigned to Review Number HVHHF-000001. The proposed well (Woodrow #1H-310408-193) in White County, Illinois would threaten public health and safety and the permit application contains a number of issues highlighted below.

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Thank you for your attention to my comments. Illinois DNR should reject the company's inadequate permit application that fails to protect our health and environment.

Sincerely,

Janet Mase

This message was sent by KnowWho, as a service provider only, on behalf of the individual noted in the sender information.
As an Illinois citizen who has for many years enjoyed and studied the remaining natural beauty of our State, particularly Southern Illinois, I am strongly opposed to the permit requested by the Woolsey Operating Company, LLC (Review Number HVHHF-000001).

Many studies have shown that not only is the natural environment seriously compromised by fracking, but the health and safety of the people are at risk, through contaminated water and air, likely earthquakes, property rights violations, etc.

Rather than supporting a fossil fuel industry the state should support more strongly alternative energy sources.

PLEASE, IDNR, for the sake of Illinois' future generations, do not issue the permit to the Woolsey Operating Company, LLC, (Review Number HVHHF-000001)
Dear Illinois Department of Natural Resources,

I am writing these comments in regards to the application from Woolsey Operating Company, LLC for a permit under the Hydraulic Fracturing Regulatory Act (HFRA), assigned to Review Number HVHHF-000001. The proposed well (Woodrow #1H-310408-193) in White County, Illinois would threaten public health and safety and the permit application contains a number of issues highlighted below.

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Thank you for your attention to my comments. Illinois DNR should reject the company's inadequate permit application that fails to protect our health and environment.

Sincerely,

Ron Maslo

This message was sent by KnowWho, as a service provider only, on behalf of the individual noted in the sender information.
Jun 18, 2017

Illinois Department of Natural Resources
Illinois Department of Natural Resources
IL

Dear Illinois Department of Natural Resources,

I urge you to protect Illinois' natural resources and our public health and safety by denying Woolsey Operating Company LLC's well permit application (HVHHF Review #: 000001).

Hundreds of studies have shown that the practice of hydraulic fracturing pollutes our air, water and soil with toxic, carcinogenic and radioactive materials.

Even without any severe accident (such as the Woolsey well explosion in Fairfield in 2014), we know through air sampling, water testing and infrared footage that fracked wells leak. The proposed well site is within one mile of at least 5 known oil wells, and Woolsey Oil Corporation has a plan to flare excess methane, exposing the area nearby to toxins.

Do not sacrifice the health of Illinoisans and our natural resources for a toxic industry. Please deny the Woolsey Operating Company fracked well permit.

Sincerely,

Mr. Ken Mason
Dear Illinois Department of Natural Resources,

I am writing these comments in regards to the application from Woolsey Operating Company, LLC for a permit under the Hydraulic Fracturing Regulatory Act (HFRA), assigned to Review Number HVHHF-000001. The proposed well (Woodrow #1H-310408-193) in White County, Illinois would threaten public health and safety and the permit application contains a number of issues highlighted below.

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Thank you for your attention to my comments. Illinois DNR should reject the company's inadequate permit application that fails to protect our health and environment.

Sincerely,

Marilyn Mason
This message was sent by KnowWho, as a service provider only, on behalf of the individual noted in the sender information.
Jun 16, 2017

Illinois Department of Natural Resources Illinois Department of Natural Resources IL

Dear Illinois Department of Natural Resources,

I urge you to protect Illinois' natural resources and our public health and safety by denying Woolsey Operating Company LLC's well permit application (HVHHF Review #: 000001).

Hundreds of studies have shown that the practice of hydraulic fracturing pollutes our air, water and soil with toxic, carcinogenic and radioactive materials.

Even without any severe accident (such as the Woolsey well explosion in Fairfield in 2014), we know through air sampling, water testing and infrared footage that fracked wells leak. The proposed well site is within one mile of at least 5 known oil wells, and Woolsey Oil Corporation has a plan to flare excess methane, exposing the area nearby to toxins.

Do not sacrifice the health of Illinoisans and our natural resources for a toxic industry. Please deny the Woolsey Operating Company fracked well permit.

Sincerely,

Mrs. Ande Masoncup
Dear Illinois Department of Natural Resources,

I am writing these comments in regards to the application from Woolsey Operating Company, LLC for a permit under the Hydraulic Fracturing Regulatory Act (HFRA), assigned to Review Number HVHHF-000001. The proposed well (Woodrow #1H-310408-193) in White County, Illinois would threaten public health and safety and the permit application contains a number of issues highlighted below.

The application is woefully lacking in data and information required by the Illinois legislature and Illinois DNR under the rules and regulations of the HFRA that are designed to protect public health and the environment, and so cannot be approved as submitted. For example, the permit application does not give the exact location of the two disposal wells. The locations should be given with GPS coordinates so that the public knows exactly where these wells are located.

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Thank you for your attention to my comments. Illinois DNR should reject the company's inadequate permit application that fails to protect our health and environment.

Sincerely,

Ande Masoncup

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Jun 16, 2017

Illinois Department of Natural Resources Illinois Department of Natural Resources IL

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Do not sacrifice the health of Illinoisans and our natural resources for a toxic industry. Please deny the Woolsey Operating Company fracked well permit.

Sincerely,

Ms. carolyn massey
Dear Illinois Department of Natural Resources,

I am writing these comments in regards to the application from Woolsey Operating Company, LLC for a permit under the Hydraulic Fracturing Regulatory Act (HFRA), assigned to Review Number HVHHF-000001. The proposed well (Woodrow #1H-310408-193) in White County, Illinois would threaten public health and safety and the permit application contains a number of issues highlighted below.

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Thank you for your attention to my comments. Illinois DNR should reject the company's inadequate permit application that fails to protect our health and environment.

Sincerely,

Carolyn Massey
Dear Illinois Department of Natural Resources,

I am writing these comments in regards to the application from Woolsey Operating Company, LLC for a permit under the Hydraulic Fracturing Regulatory Act (HFRA), assigned to Review Number HVHHF-000001. The proposed well (Woodrow #1H-310408-193) in White County, Illinois would threaten public health and safety and the permit application contains a number of issues highlighted below.

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Sincerely,

carolyn massey
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Sincerely,

Mary Massie

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Dear Illinois Department of Natural Resources,

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Thank you for your attention to my comments. Illinois DNR should reject the company's inadequate permit application that fails to protect our health and environment.

Sincerely,

Wendy Massie

This message was sent by KnowWho, as a service provider only, on behalf of the individual noted in the sender information.
Jun 16, 2017

Illinois Department of Natural Resources

Dear Illinois Department of Natural Resources,

I urge you to protect Illinois' natural resources and our public health and safety by denying Woolsey Operating Company LLC's well permit application (HVHHF Review #: 000001).

Hundreds of studies have shown that the practice of hydraulic fracturing pollutes our air, water and soil with toxic, carcinogenic and radioactive materials.

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Do not sacrifice the health of Illinoisans and our natural resources for a toxic industry. Please deny the Woolsey Operating Company fracked well permit.

Sincerely,

Ms. Joyce Mast
Dear Illinois Department of Natural Resources,

I am writing these comments in regards to the application from Woolsey Operating Company, LLC for a permit under the Hydraulic Fracturing Regulatory Act (HFRA), assigned to Review Number HVHHF-000001. The proposed well (Woodrow #1H-310408-193) in White County, Illinois would threaten public health and safety and the permit application contains a number of issues highlighted below.

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Sincerely,

Mirtella Mast
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Thank you for your attention to my comments. Illinois DNR should reject the company's inadequate permit application that fails to protect our health and environment.

Sincerely,

Joyce Mast

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Dear Illinois Department of Natural Resources,

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Thank you for your attention to my comments. Illinois DNR should reject the company's inadequate permit application that fails to protect our health and environment.

Sincerely,

Carol Masuda

This message was sent by KnowWho, as a service provider only, on behalf of the individual noted in the sender information.
Jun 18, 2017

Illinois Department of Natural Resources
Illinois Department of Natural Resources
IL

Dear Illinois Department of Natural Resources,

I urge you to protect Illinois' natural resources and our public health and safety by denying Woolsey Operating Company LLC's well permit application (HVHHF Review #: 000001).

Hundreds of studies have shown that the practice of hydraulic fracturing pollutes our air, water and soil with toxic, carcinogenic and radioactive materials.

Even without any severe accident (such as the Woolsey well explosion in Fairfield in 2014), we know through air sampling, water testing and infrared footage that fracked wells leak. The proposed well site is within one mile of at least 5 known oil wells, and Woolsey Oil Corporation has a plan to flare excess methane, exposing the area nearby to toxins.

Do not sacrifice the health of Illinoisans and our natural resources for a toxic industry. Please deny the Woolsey Operating Company fracked well permit.

Sincerely,

Dr. Jill Mateo
Dear Illinois Department of Natural Resources,

I am writing these comments in regards to the application from Woolsey Operating Company, LLC for a permit under the Hydraulic Fracturing Regulatory Act (HFRA), assigned to Review Number HVHHF-000001. The proposed well (Woodrow #1H-310408-193) in White County, Illinois would threaten public health and safety and the permit application contains a number of issues highlighted below.

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Thank you for your attention to my comments. Illinois DNR should reject the company's inadequate permit application that fails to protect our health and environment.

Sincerely,

Deni Mathews

This message was sent by KnowWho, as a service provider only, on behalf of the individual noted in the sender information.
Hello,

I am writing as a concerned Illinois citizen regarding the Woolsey Operating Company’s application for a High Volume Hydraulic Fracturing Permit (HVHHF #000001).

The Woolsey application is fraught with inadequacies. It is often too general and the initial application contained errors and omissions. How are we to believe that Woolsey will safely and effectively manage this proposed project when they treat the application process so cavalierly.

Woolsey should not be given a permit to engage in fracking in the state of Illinois.

Sincerely,

Deni Mathews
Dear Illinois Department of Natural Resources,

No! No! No! Absolutely not! Do not risk our health and pollute our air and water by fracking!
I am writing these comments in regards to the application from Woolsey Operating Company, LLC for a permit under the Hydraulic Fracturing Regulatory Act (HFRA), assigned to Review Number HVHHF-000001. The proposed well (Woodrow #1H-310408-193) in White County, Illinois would threaten public health and safety and the permit application contains a number of issues highlighted below.

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Thank you for your attention to my comments. Illinois DNR should reject the company's inadequate permit application that fails to protect our health and environment.

Sincerely,

Nadine Mattes

This message was sent by KnowWho, as a service provider only, on behalf of the individual noted in the sender information.
Brown, Ronda

From: James Maulus  Sent You a Personal Message <automail@knowwho.com>
Sent: Friday, June 23, 2017 2:39 PM
To: DNR.HFPublicComments
Subject: [External] Review Number HVHHF-000001

Dear Illinois Department of Natural Resources,

I am writing these comments in regards to the application from Woolsey Operating Company, LLC for a permit under the Hydraulic Fracturing Regulatory Act (HFRA), assigned to Review Number HVHHF-000001. The proposed well (Woodrow #1H-310408-193) in White County, Illinois would threaten public health and safety and the permit application contains a number of issues highlighted below.

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Thank you for your attention to my comments. Illinois DNR should reject the company's inadequate permit application that fails to protect our health and environment.

Sincerely,

James Maulus

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Dear Illinois Department of Natural Resources,

I urge you to protect Illinois' natural resources and our public health and safety by denying Woolsey Operating Company LLC's well permit application (HVHHF Review #: 000001).

Hundreds of studies have shown that the practice of hydraulic fracturing pollutes our air, water and soil with toxic, carcinogenic and radioactive materials.

Even without any severe accident (such as the Woolsey well explosion in Fairfield in 2014), we know through air sampling, water testing and infrared footage that fracked wells leak. The proposed well site is within one mile of at least 5 known oil wells, and Woolsey Oil Corporation has a plan to flare excess methane, exposing the area nearby to toxins.

Do not sacrifice the health of Illinoisans and our natural resources for a toxic industry. Please deny the Woolsey Operating Company fracked well permit.

Sincerely,

Ms. Louanne Mauro
Dear Illinois Department of Natural Resources,

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Thank you for your attention to my comments. Illinois DNR should reject the company's inadequate permit application that fails to protect our health and environment.

Sincerely,

Louanne Mauro
Dear Illinois Department of Natural Resources,

I urge you to protect Illinois' natural resources and our public health and safety by denying Woolsey Operating Company LLC's well permit application (HVHHF Review #: 000001).

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Sincerely,

Mr. Carl Maxwell
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Sincerely,

Ms. Lana May
Oil & Gas Regulatory Staff,

I urge you to protect Illinois' natural resources and our public health and safety by denying Woolsey Operating Company LLC's well permit application (HVHHF Review #: 000001).

Hundreds of studies have shown that the practice of hydraulic fracturing pollutes our air, water and soil with toxic, carcinogenic and radioactive materials.

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Do not sacrifice the health of Illinoisans and our natural resources for a toxic industry. Please deny the Woolsey Operating Company fracked well permit.

Lana May
Oil & Gas Regulatory Staff,

Fracking should not be permitted in a state that has earthquakes and a major fault line...it's only common sense!

I urge you to protect Illinois' natural resources and our public health and safety by denying Woolsey Operating Company LLC's well permit application (HVHHF Review #: 000001).

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Lana May
Dear Illinois Department of Natural Resources,

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Sincerely,

Lana May

This message was sent by KnowWho, as a service provider only, on behalf of the individual noted in the sender information.
Dear Illinois Department of Natural Resources,

As an Illinois resident and a mother, I urge you to protect our state’s natural resources and our public health and safety by denying Woolsey Operating Company LLC’s well permit application (HVHHF Review #: 000001).

My children deserve clean air and drinking water. Study after study has shown that the practice of hydraulic fracturing pollutes our air, water and soil with toxic, carcinogenic and radioactive materials.

Even without any severe accident (such as the Woolsey well explosion in Fairfield in 2014), we know through air sampling, water testing and infrared footage that fracked wells leak. The proposed well site is within one mile of at least 5 known oil wells, and Woolsey Oil Corporation has a plan to flare excess methane, exposing the area nearby to toxins.

Do not sacrifice the health of Illinoisans and our natural resources for a toxic industry. Please deny the Woolsey Operating Company fracked well permit.

Sincerely,

Ms. Angela Maycock
Dear Illinois Department of Natural Resources,

I urge you to protect Illinois' natural resources and our public health and safety by denying Woolsey Operating Company LLC's well permit application (HVHHF Review #: 000001).

Hundreds of studies have shown that the practice of hydraulic fracturing pollutes our air, water and soil with toxic, carcinogenic and radioactive materials.

Even without any severe accident (such as the Woolsey well explosion in Fairfield in 2014), we know through air sampling, water testing and infrared footage that fracked wells leak. The proposed well site is within one mile of at least 5 known oil wells, and Woolsey Oil Corporation has a plan to flare excess methane, exposing the area nearby to toxins.

Do not sacrifice the health of Illinoisans and our natural resources for a toxic industry. Please deny the Woolsey Operating Company fracked well permit.

Sincerely,

Ms. Sandra Mayer
Dear Illinois Department of Natural Resources,

I am writing these comments in regards to the application from Woolsey Operating Company, LLC for a permit under the Hydraulic Fracturing Regulatory Act (HFRA), assigned to Review Number HVHHF-000001. The proposed well (Woodrow #1H-310408-193) in White County, Illinois would threaten public health and safety and the permit application contains a number of issues highlighted below.

The application is woefully lacking in data and information required by the Illinois legislature and Illinois DNR under the rules and regulations of the HFRA that are designed to protect public health and the environment, and so cannot be approved as submitted. For example, the permit application does not give the exact location of the two disposal wells. The locations should be given with GPS coordinates so that the public knows exactly where these wells are located.

From the information that is provided, a number of concerns arise, including but not limited to:

1. The application requests exceptionally large water withdrawals from groundwater resources that are very susceptible to depletion, and fails to include plans to recycle water or otherwise minimize water consumption.
2. The application significantly underestimates flowback volumes, and plans for inadequate containment facilities for even that amount of flowback and other chemicals/wastes that the application does estimate.
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5. The operations as described in the application would fail to preserve topsoil, and the stormwater management plan is inadequate.
6. The application plans for deficient surface and groundwater sampling. Adequate sampling must be required to protect important water sources.

Thank you for your attention to my comments. Illinois DNR should reject the company's inadequate permit application that fails to protect our health and environment.

Sincerely,

Roseann Maziarek

This message was sent by KnowWho, as a service provider only, on behalf of the individual noted in the sender information.
Brown, Ronda

From: Food & Water Watch <act@fwwatch.org> on behalf of Melissa Mazias <act@fwwatch.org>
Sent: Friday, June 16, 2017 8:42 PM
To: DNR.HFPublicComments
Subject: [External] Public Comment regarding HVHHF Review #:000001

Jun 16, 2017

Illinois Department of Natural Resources Illinois Department of Natural Resources IL

Dear Illinois Department of Natural Resources,

I urge you to protect Illinois' natural resources and our public health and safety by denying Woolsey Operating Company LLC's well permit application (HVHHF Review #: 000001).

Hundreds of studies have shown that the practice of hydraulic fracturing pollutes our air, water and soil with toxic, carcinogenic and radioactive materials.

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Sincerely,

Ms. Melissa Mazias
Dear Illinois Department of Natural Resources,

I am writing these comments in regards to the application from Woolsey Operating Company, LLC for a permit under the Hydraulic Fracturing Regulatory Act (HFRA), assigned to Review Number HVHHF-000001. The proposed well (Woodrow #1H-310408-193) in White County, Illinois would threaten public health and safety and the permit application contains a number of issues highlighted below.

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Thank you for your attention to my comments. Illinois DNR should reject the company's inadequate permit application that fails to protect our health and environment.

Sincerely,

Melissa Mazias

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Dear Illinois Department of Natural Resources,

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Sincerely,

Christy Mazrimasott

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Illinois DNR should reject the company's inadequate permit application that fails to protect our health and environment.

Sincerely,

John Mc

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Dear Illinois Department of Natural Resources,

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Thank you for your attention to my comments. Illinois DNR should reject the company's inadequate permit application that fails to protect our health and environment.

Sincerely,

Colleen Mcabee
This message was sent by KnowWho, as a service provider only, on behalf of the individual noted in the sender information.
Dear Illinois Department of Natural Resources,

I urge you to protect Illinois' natural resources and our public health and safety by denying Woolsey Operating Company LLC’s well permit application (HVHHF Review #: 000001).

Hundreds of studies have shown that the practice of hydraulic fracturing pollutes our air, water and soil with toxic, carcinogenic and radioactive materials.

Even without any severe accident (such as the Woolsey well explosion in Fairfield in 2014), we know through air sampling, water testing and infrared footage that fracked wells leak. The proposed well site is within one mile of at least 5 known oil wells, and Woolsey Oil Corporation has a plan to flare excess methane, exposing the area nearby to toxins.

Do not sacrifice the health of Illinoisans and our natural resources for a toxic industry. Please deny the Woolsey Operating Company fracked well permit.

Sincerely,

Mrs. Colleen McAbee
Brown, Ronda

From: Vickie Mcalister [automail@knowwho.com]  Sent You a Personal Message <automail@knowwho.com>
Sent: Friday, June 23, 2017 4:50 PM
To: DNR.HFPublicComments
Subject: [External] Review Number HVHHF-000001

Dear Illinois Department of Natural Resources,

I am writing these comments in regards to the application from Woolsey Operating Company, LLC for a permit under the Hydraulic Fracturing Regulatory Act (HFRA), assigned to Review Number HVHHF-000001. The proposed well (Woodrow #1H-310408-193) in White County, Illinois would threaten public health and safety and the permit application contains a number of issues highlighted below.

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Thank you for your attention to my comments. Illinois DNR should reject the company's inadequate permit application that fails to protect our health and environment.

Sincerely,

Vickie Mcalister

This message was sent by KnowWho, as a service provider only, on behalf of the individual noted in the sender information.
Dear Illinois Department of Natural Resources,

I urge you to protect Illinois' natural resources and our public health and safety by denying Woolsey Operating Company LLC's well permit application (HVHHF Review #: 000001).

Hundreds of studies have shown that the practice of hydraulic fracturing pollutes our air, water and soil with toxic, carcinogenic and radioactive materials.

Even without any severe accident (such as the Woolsey well explosion in Fairfield in 2014), we know through air sampling, water testing and infrared footage that fracked wells leak. The proposed well site is within one mile of at least 5 known oil wells, and Woolsey Oil Corporation has a plan to flare excess methane, exposing the area nearby to toxins.

Do not sacrifice the health of Illinoisans and our natural resources for a toxic industry. Please deny the Woolsey Operating Company fracked well permit.

Sincerely,

Ms. Crystal McAllister
DNR Public Comment,

IDNR Oil and Gas Regulatory Staff,

I am writing these comments in regards to the application from Woolsey Operating Company, LLC for a permit under the Hydraulic Fracturing Regulatory Act (HFRA), assigned to Review Number HVHHF-000001. The proposed well (Woodrow #1H-310408-193) in White County, Illinois would threaten public health and safety and the permit application contains a number of issues highlighted below.

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Thank you for your attention to my comments. Illinois DNR should reject the company’s inadequate permit application that fails to protect our health and environment.

Crystal McAllister
Dear Illinois Department of Natural Resources,

I urge you to protect Illinois' natural resources and our public health and safety by denying Woolsey Operating Company LLC's well permit application (HVHHF Review #: 000001).

Hundreds of studies have shown that the practice of hydraulic fracturing pollutes our air, water and soil with toxic, carcinogenic and radioactive materials.

Even without any severe accident (such as the Woolsey well explosion in Fairfield in 2014), we know through air sampling, water testing and infrared footage that fracked wells leak. The proposed well site is within one mile of at least 5 known oil wells, and Woolsey Oil Corporation has a plan to flare excess methane, exposing the area nearby to toxins.

Do not sacrifice the health of Illinoisans and our natural resources for a toxic industry. Please deny the Woolsey Operating Company fracked well permit.

Sincerely,

Mrs. Nora McAllister
Dear Illinois Department of Natural Resources,

I urge you to protect Illinois' natural resources and our public health and safety by denying Woolsey Operating Company LLC's well permit application (HVHHF Review #: 000001).

Hundreds of studies have shown that the practice of hydraulic fracturing pollutes our air, water and soil with toxic, carcinogenic and radioactive materials.

Even without any severe accident (such as the Woolsey well explosion in Fairfield in 2014), we know through air sampling, water testing and infrared footage that fracked wells leak. The proposed well site is within one mile of at least 5 known oil wells, and Woolsey Oil Corporation has a plan to flare excess methane, exposing the area nearby to toxins.

Do not sacrifice the health of Illinoians and our natural resources for a toxic industry. Please deny the Woolsey Operating Company fracked well permit.

Sincerely,

Ms. Elizabeth McAuliffe
Dear Illinois Department of Natural Resources,

I am writing these comments in regards to the application from Woolsey Operating Company, LLC for a permit under the Hydraulic Fracturing Regulatory Act (HFRA), assigned to Review Number HVHHF-000001. The proposed well (Woodrow #1H-310408-193) in White County, Illinois would threaten public health and safety and the permit application contains a number of issues highlighted below.

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Thank you for your attention to my comments. Illinois DNR should reject the company's inadequate permit application that fails to protect our health and environment.

Sincerely,

Elizabeth Mcauliffe

This message was sent by KnowWho, as a service provider only, on behalf of the individual noted in the sender information.
Dear Illinois Department of Natural Resources,

I urge you to protect Illinois' natural resources and our public health and safety by denying Woolsey Operating Company LLC's well permit application (HVHHF Review #: 000001).

Hundreds of studies have shown that the practice of hydraulic fracturing pollutes our air, water and soil with toxic, carcinogenic and radioactive materials.

Even without any severe accident (such as the Woolsey well explosion in Fairfield in 2014), we know through air sampling, water testing and infrared footage that fracked wells leak. The proposed well site is within one mile of at least 5 known oil wells, and Woolsey Oil Corporation has a plan to flare excess methane, exposing the area nearby to toxins.

Do not sacrifice the health of Illinoisans and our natural resources for a toxic industry. Please deny the Woolsey Operating Company fracked well permit.

Sincerely,

Mrs. Susie Mcbeth
Dear Illinois Department of Natural Resources,

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Sincerely,

Ms. Rebecca McBride
Jun 16, 2017

Illinois Department of Natural Resources Illinois Department of Natural Resources IL

Dear Illinois Department of Natural Resources,

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Sincerely,

Ms. Ann McCabe
Oil & Gas Regulatory Staff,

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Megan McCabe
Brown, Ronda

From: Food & Water Watch <act@fwwatch.org> on behalf of Lesley Mccain <act@fwwatch.org>
Sent: Friday, June 23, 2017 5:48 PM
To: DNR.HFPublicComments
Subject: [External] Public Comment regarding HVHHF Review #:000001

Jun 23, 2017

Illinois Department of Natural Resources Illinois Department of Natural Resources IL

Dear Illinois Department of Natural Resources,

I urge you to protect Illinois' natural resources and our public health and safety by denying Woolsey Operating Company LLC's well permit application (HVHHF Review #: 000001).

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Sincerely,

Ms. Lesley Mccain
Dear Illinois Department of Natural Resources,

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Thank you for your attention to my comments. Illinois DNR should reject the company's inadequate permit application that fails to protect our health and environment.

Sincerely,

James McCarthy
This message was sent by KnowWho, as a service provider only, on behalf of the individual noted in the sender information.
Jun 16, 2017

Illinois Department of Natural Resources Illinois Department of Natural Resources IL

Dear Illinois Department of Natural Resources,

I urge you to protect Illinois' natural resources and our public health and safety by denying Woolsey Operating Company LLC's well permit application (HVHHF Review #: 000001).

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Do not sacrifice the health of Illinoisans and our natural resources for a toxic industry. Please deny the Woolsey Operating Company fracked well permit.

Sincerely,

Ms. Sarah McCarthy
To Whom It May Concern,

I have heard that there has been an application for fracking in White County, IL. I am deeply concerned about this. We do not know enough about the ramifications of fracking and can simply not afford the risk. Thank you for your consideration!

-Jane
Jun 19, 2017

Illinois Department of Natural Resources Illinois Department of Natural Resources IL

Dear Illinois Department of Natural Resources,

I urge you to protect Illinois' natural resources and our public health and safety by denying Woolsey Operating Company LLC's well permit application (HVHHF Review #: 000001).

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Sincerely,

Mr. Don Mcclure
Dear Illinois Department of Natural Resources,

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Thank you for your attention to my comments. Illinois DNR should reject the company's inadequate permit application that fails to protect our health and environment.

Sincerely,

Vanette McConahey

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Sincerely,

James McConkey
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Dear Illinois Department of Natural Resources,

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Thank you for your attention to my comments. Illinois DNR should reject the company's inadequate permit application that fails to protect our health and environment.

Sincerely,

Cindy Mccormick

This message was sent by KnowWho, as a service provider only, on behalf of the individual noted in the sender information.
Jun 16, 2017

Illinois Department of Natural Resources
Illinois Department of Natural Resources IL

Dear Illinois Department of Natural Resources,

I urge you to protect Illinois' natural resources and our public health and safety by denying Woolsey Operating Company LLC's well permit application (HVHHF Review #: 000001).

Hundreds of studies have shown that the practice of hydraulic fracturing pollutes our air, water and soil with toxic, carcinogenic and radioactive materials.

Even without any severe accident (such as the Woolsey well explosion in Fairfield in 2014), we know through air sampling, water testing and infrared footage that fracked wells leak. The proposed well site is within one mile of at least 5 known oil wells, and Woolsey Oil Corporation has a plan to flare excess methane, exposing the area nearby to toxins.

Do not sacrifice the health of Illinoisans and our natural resources for a toxic industry. Please deny the Woolsey Operating Company fracked well permit.

Sincerely,

Ms. Michelle Mccoy
Dear Illinois Department of Natural Resources,

I am writing these comments in regards to the application from Woolsey Operating Company, LLC for a permit under the Hydraulic Fracturing Regulatory Act (HFRA), assigned to Review Number HVHHF-000001. The proposed well (Woodrow #1H-310408-193) in White County, Illinois would threaten public health and safety and the permit application contains a number of issues highlighted below.

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Thank you for your attention to my comments. Illinois DNR should reject the company's inadequate permit application that fails to protect our health and environment.

Sincerely,

Michelle Mccoy

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Sincerely,

Christy McCreary
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Do not sacrifice the health of Illinoisans and our natural resources for a toxic industry. Please deny the Woolsey Operating Company fracked well permit.

Sincerely,

Ms. Jane McCreedy
Jun 16, 2017

Illinois Department of Natural Resources Illinois Department of Natural Resources IL

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Sincerely,

Mr. david mccue
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Sincerely,

Mr. Ryan McCulloch
DNR Public Comment,

IDNR Oil and Gas Regulatory Staff,

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Ryan McCulloch
Dear Illinois Department of Natural Resources,

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Sincerely,

Sam McCulloch
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Sincerely,

Juliet McDaniel
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Thank you for your attention to my comments. Illinois DNR should reject the company's inadequate permit application that fails to protect our health and environment.

Sincerely,

Janet Mcdonnell

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Sincerely,

Janet McDonnell
This message was sent by KnowWho, as a service provider only, on behalf of the individual noted in the sender information.
To Illinois Department of natural resources

As a resident of IL I adamantly opposed to the Woodrow #1H-310408-193 . The scientific evidence on the dangers of fracking is clear. The residents of IL and the environment will be harmed for decades while the Woolsey operating company profits. This is a extremely bad thing for IL.

Please do not support this.

Andy McDonough

Sent from my iPhone
From: Andy McDonough
Sent: Friday, June 23, 2017 6:00 AM
To: DNR.HFPublicComments
Subject: [External] Opposition to natural gas site

Sent from my iPhone
Jun 21, 2017

Illinois Department of Natural Resources Illinois Department of Natural Resources IL

Dear Illinois Department of Natural Resources,

I urge you to protect Illinois' natural resources and our public health and safety by denying Woolsey Operating Company LLC's well permit application (HVHHF Review #: 000001).

Hundreds of studies have shown that the practice of hydraulic fracturing pollutes our air, water and soil with toxic, carcinogenic and radioactive materials.

Even without any severe accident (such as the Woolsey well explosion in Fairfield in 2014), we know through air sampling, water testing and infrared footage that fracked wells leak. The proposed well site is within one mile of at least 5 known oil wells, and Woolsey Oil Corporation has a plan to flare excess methane, exposing the area nearby to toxins.

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Sincerely,

Ms. Sarah Mcdougal
Dear Illinois Department of Natural Resources,

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Sincerely,

Maryanne Mcewen

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Sincerely,

Mr. Brian McFarland
Jun 16, 2017

Illinois Department of Natural Resources, Illinois Department of Natural Resources IL

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Brian Mcfarland

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SAY NO TO FRACKING IN ILLINOIS. DENY PERMIT REQUEST:

HVHHF-000001

Say NO to FRACKING in White County

Say NO to Woodrow No. 1H-310408-193

Cheryl McGarry, [REDACTED]

Sent from my iPhone
Dear Illinois Department of Natural Resources,

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Sincerely,

Lynne Mcgarry

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Jun 20, 2017

Illinois Department of Natural Resources Illinois Department of Natural Resources IL

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Sincerely,

Mr. Tyler McGaughey
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Even without any severe accident (such as the Woolsey well explosion in Fairfield in 2014), we know through air sampling, water testing and infrared footage that fracked wells leak. The proposed well site is within one mile of at least 5 known oil wells, and Woolsey Oil Corporation has a plan to flare excess methane, exposing the area nearby to toxins.

Do not sacrifice the health of Illinoisans and our natural resources for a toxic industry. Please deny the Woolsey Operating Company fracked well permit.

Sincerely,

Mr. Dennis McGee Jr
Brown, Ronda

From: Christi McGinness[automail@knowwho.com] Sent You a Personal Message
Sent: Monday, June 26, 2017 1:13 PM
To: DNR.HFPublicComments
Subject: [External] Review Number HVHHF-000001

Dear Illinois Department of Natural Resources,

I am writing these comments in regards to the application from Woolsey Operating Company, LLC for a permit under the Hydraulic Fracturing Regulatory Act (HFRA), assigned to Review Number HVHHF-000001. The proposed well (Woodrow #1H-310408-193) in White County, Illinois would threaten public health and safety and the permit application contains a number of issues highlighted below.

The application is woefully lacking in data and information required by the Illinois legislature and Illinois DNR under the rules and regulations of the HFRA that are designed to protect public health and the environment, and so cannot be approved as submitted. For example, the permit application does not give the exact location of the two disposal wells. The locations should be given with GPS coordinates so that the public knows exactly where these wells are located.

From the information that is provided, a number of concerns arise, including but not limited to:

1. The application requests exceptionally large water withdrawals from groundwater resources that are very susceptible to depletion, and fails to include plans to recycle water or otherwise minimize water consumption.
2. The application significantly underestimates flowback volumes, and plans for inadequate containment facilities for even that amount of flowback and other chemicals/wastes that the application does estimate.
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4. The application includes inadequate insurance for the well, with insurance that excludes the very types of damages to private landowners' property that should be protected.
5. The operations as described in the application would fail to preserve topsoil, and the stormwater management plan is inadequate.
6. The application plans for deficient surface and groundwater sampling. Adequate sampling must be required to protect important water sources.

Thank you for your attention to my comments. Illinois DNR should reject the company's inadequate permit application that fails to protect our health and environment.

Sincerely,

Christi McGinness

This message was sent by KnowWho, as a service provider only, on behalf of the individual noted in the sender information.
Jun 17, 2017

Illinois Department of Natural Resources

Dear Illinois Department of Natural Resources,

I strongly urge you to protect Illinois’ natural resources and our public health and safety by denying Woolsey Operating Company LLC’s well permit application (HVHHF Review #: 000001).

Hundreds of studies have shown that the practice of hydraulic fracturing pollutes our air, water and soil with toxic, carcinogenic and radioactive materials.

Even without any severe accident (such as the Woolsey well explosion in Fairfield in 2014), we know through air sampling, water testing and infrared footage that fracked wells leak. The proposed well site is within one mile of at least 5 known oil wells, and Woolsey Oil Corporation has a plan to flare excess methane, exposing the area nearby to toxins.

Please consider the future in your decision, fracking is simply too dangerous for the land, please conserve the integrity of our land and do not allow this industry a foot into the door of Illinois.

Do not sacrifice the health of Illinoians and our natural resources for a toxic industry. Please deny the Woolsey Operating Company fracked well permit.

Sincerely,

Mr. Donald Mcgovern
Dear Illinois Department of Natural Resources,

I am writing these comments in regards to the application from Woolsey Operating Company, LLC for a permit under the Hydraulic Fracturing Regulatory Act (HFRA), assigned to Review Number HVHHF-000001. The proposed well (Woodrow #1H-310408-193) in White County, Illinois would threaten public health and safety and the permit application contains a number of issues highlighted below.

The application is woefully lacking in data and information required by the Illinois legislature and Illinois DNR under the rules and regulations of the HFRA that are designed to protect public health and the environment, and so cannot be approved as submitted. For example, the permit application does not give the exact location of the two disposal wells. The locations should be given with GPS coordinates so that the public knows exactly where these wells are located.

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Thank you for your attention to my comments. Illinois DNR should reject the company's inadequate permit application that fails to protect our health and environment.

Sincerely,

Donald Mcgovern
This message was sent by KnowWho, as a service provider only, on behalf of the individual noted in the sender information.
Jun 17, 2017

Illinois Department of Natural Resources Illinois Department of Natural Resources IL

Dear Illinois Department of Natural Resources,

I urge you to protect Illinois' natural resources and our public health and safety by denying Woolsey Operating Company LLC's well permit application (HVHHF Review #: 000001).

Hundreds of studies have shown that the practice of hydraulic fracturing pollutes our air, water and soil with toxic, carcinogenic and radioactive materials.

Even without any severe accident (such as the Woolsey well explosion in Fairfield in 2014), we know through air sampling, water testing and infrared footage that fracked wells leak. The proposed well site is within one mile of at least 5 known oil wells, and Woolsey Oil Corporation has a plan to flare excess methane, exposing the area nearby to toxins.

Do not sacrifice the health of Illinoisans and our natural resources for a toxic industry. Please deny the Woolsey Operating Company fracked well permit.

Sincerely,

Ms. Lisa McGovern
Dear Illinois Department of Natural Resources,

Continue to protect Illinois’ natural resources and our public health and safety by denying Woolsey Operating Company LLC’s well permit application (HVHHF Review #: 000001).

Hundreds of studies have shown that the practice of hydraulic fracturing pollutes our air, water and soil with toxic, carcinogenic and radioactive materials.

Even without any severe accident (such as the Woolsey well explosion in Fairfield in 2014), we know through air sampling, water testing and infrared footage that fracked wells leak. The proposed well site is within one mile of at least 5 known oil wells, and Woolsey Oil Corporation has a plan to flare excess methane, exposing the area nearby to toxins.

Do not sacrifice the health of Illinoisans and our natural resources for a toxic industry. Please deny the Woolsey Operating Company fracked well permit.

Sincerely,

Ms. Mary McGovern
Dear Illinois Department of Natural Resources,

I am writing these comments in regards to the application from Woolsey Operating Company, LLC for a permit under the Hydraulic Fracturing Regulatory Act (HFRA), assigned to Review Number HVHHF-000001. The proposed well (Woodrow #1H-310408-193) in White County, Illinois would threaten public health and safety and the permit application contains a number of issues highlighted below.

The application is woefully lacking in data and information required by the Illinois legislature and Illinois DNR under the rules and regulations of the HFRA that are designed to protect public health and the environment, and so cannot be approved as submitted. For example, the permit application does not give the exact location of the two disposal wells. The locations should be given with GPS coordinates so that the public knows exactly where these wells are located.

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6. The application plans for deficient surface and groundwater sampling. Adequate sampling must be required to protect important water sources.

Thank you for your attention to my comments. Illinois DNR should reject the company's inadequate permit application that fails to protect our health and environment.

Sincerely,

Linda Mcguire
This message was sent by KnowWho, as a service provider only, on behalf of the individual noted in the sender information.
Jun 16, 2017

Illinois Department of Natural Resources Illinois Department of Natural Resources IL

Dear Illinois Department of Natural Resources,

I urge you to protect Illinois' natural resources and our public health and safety by denying Woolsey Operating Company LLC’s well permit application (HVHHF Review #: 000001).

Hundreds of studies have shown that the practice of hydraulic fracturing pollutes our air, water and soil with toxic, carcinogenic and radioactive materials.

Even without any severe accident (such as the Woolsey well explosion in Fairfield in 2014), we know through air sampling, water testing and infrared footage that fracked wells leak. The proposed well site is within one mile of at least 5 known oil wells, and Woolsey Oil Corporation has a plan to flare excess methane, exposing the area nearby to toxins.

Do not sacrifice the health of Illinoisans and our natural resources for a toxic industry. Please deny the Woolsey Operating Company fracked well permit.

Sincerely,

Ms. Maggie McGuire
Dear Illinois Department of Natural Resources,

I am writing these comments in regards to the application from Woolsey Operating Company, LLC for a permit under the Hydraulic Fracturing Regulatory Act (HFRA), assigned to Review Number HVHHF-000001. The proposed well (Woodrow #1H-310408-193) in White County, Illinois would threaten public health and safety and the permit application contains a number of issues highlighted below.

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6. The application plans for deficient surface and groundwater sampling. Adequate sampling must be required to protect important water sources.

Thank you for your attention to my comments. Illinois DNR should reject the company's inadequate permit application that fails to protect our health and environment.

Sincerely,

Maggie Mcguire

This message was sent by KnowWho, as a service provider only, on behalf of the individual noted in the sender information.
Dear Illinois Department of Natural Resources,

I am writing these comments in regards to the application from Woolsey Operating Company, LLC for a permit under the Hydraulic Fracturing Regulatory Act (HFRA), assigned to Review Number HVHHF-000001. The proposed well (Woodrow #1H-310408-193) in White County, Illinois would threaten public health and safety and the permit application contains a number of issues highlighted below.

The application is woefully lacking in data and information required by the Illinois legislature and Illinois DNR under the rules and regulations of the HFRA that are designed to protect public health and the environment, and so cannot be approved as submitted. For example, the permit application does not give the exact location of the two disposal wells. The locations should be given with GPS coordinates so that the public knows exactly where these wells are located.

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Thank you for your attention to my comments. Illinois DNR should reject the company's inadequate permit application that fails to protect our health and environment.

Sincerely,

Sheila Mcguire

This message was sent by KnowWho, as a service provider only, on behalf of the individual noted in the sender information.
Brown, Ronda

From: Amy McIntosh
Sent You a Personal Message <automail@knowwho.com>
Sent: Tuesday, June 27, 2017 6:18 AM
To: DNR.HFPublicComments
Subject: [External] Review Number HVHHF-000001

Dear Illinois Department of Natural Resources,

I am writing these comments in regards to the application from Woolsey Operating Company, LLC for a permit under the Hydraulic Fracturing Regulatory Act (HFRA), assigned to Review Number HVHHF-000001. The proposed well (Woodrow #1H-310408-193) in White County, Illinois would threaten public health and safety and the permit application contains a number of issues highlighted below.

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Thank you for your attention to my comments. Illinois DNR should reject the company's inadequate permit application that fails to protect our health and environment.

Sincerely,

Amy McIntosh

This message was sent by KnowWho, as a service provider only, on behalf of the individual noted in the sender information.
Jun 17, 2017

Illinois Department of Natural Resources
Illinois Department of Natural Resources IL

Dear Illinois Department of Natural Resources,

I urge you to protect Illinois' natural resources and our public health and safety by denying Woolsey Operating Company LLC's well permit application (HVHHF Review #: 000001).

Hundreds of studies have shown that the practice of hydraulic fracturing pollutes our air, water and soil with toxic, carcinogenic and radioactive materials.

Even without any severe accident (such as the Woolsey well explosion in Fairfield in 2014), we know through air sampling, water testing and infrared footage that fracked wells leak. The proposed well site is within one mile of at least 5 known oil wells, and Woolsey Oil Corporation has a plan to flare excess methane, exposing the area nearby to toxins.

Do not sacrifice the health of Illinoisans and our natural resources for a toxic industry. Please deny the Woolsey Operating Company fracked well permit.

Sincerely,

Mrs. JoAnn McIntosh
DNR Public Comment,

IDNR Oil and Gas Regulatory Staff,

I am writing these comments in regards to the application from Woolsey Operating Company, LLC for a permit under the Hydraulic Fracturing Regulatory Act (HFRA), assigned to Review Number HVHNF-000001. The proposed well (Woodrow #1H-310408-193) in White County, Illinois would threaten public health and safety and the permit application contains a number of issues highlighted below.

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Thank you for your attention to my comments. Illinois DNR should reject the company’s inadequate permit application that fails to protect our health and environment.

Kris McIntosh
Dear Illinois Department of Natural Resources,

I am writing these comments in regards to the application from Woolsey Operating Company, LLC for a permit under the Hydraulic Fracturing Regulatory Act (HFRA), assigned to Review Number HVHHF-000001. The proposed well (Woodrow #1H-310408-193) in White County, Illinois would threaten public health and safety and the permit application contains a number of issues highlighted below.

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Thank you for your attention to my comments. Illinois DNR should reject the company's inadequate permit application that fails to protect our health and environment.

Sincerely,

Kristine McIntosh

This message was sent by KnowWho, as a service provider only, on behalf of the individual noted in the sender information.
Barbara McKasson

To: IDNR – Oil & Gas Division; DNR.HFPublicComments@illinois.gov
Re: Hydraulic Fracturing Permit #000001 under the HVHHF Act by Woolsey Operations Company

The first application submitted by Woolsey was extremely inadequate and demonstrated a careless attitude on the part of Woolsey Operations Co. in that the company did not follow the requirements in submitting the application – even stating the location of the well inaccurately. With such a careless, inept attitude, Woolsey should not be granted an HVHHF permit for the proposed well. The additions to the original application are also deficient to meet the standard of the HVHHF Act and regulations. Thus, this permit should be denied.

Below are comments on the application revisions, followed by comments on the original application.

Water Source Management Plan - Section 09 – The plan for storage of flowback from injection of up to 7.5 million gallons is inadequate – the amount of storage planned is inadequate for the amount of flowback that could be produced is very likely to be inadequate. In addition, Woolsey should be trying to minimize their water use, since they are using local groundwater in an area where some people depend on groundwater. The potential volume of flowback fluid should determine the size of the containment vessels and of the secondary containment area. This does not appear to be the case in the Woolsey plan.

Wellsite Safety Plan – Section 11
What precautions are being taken to protect non-perennial streams in the area of the proposed well?

Comments on Initial Woolsey Application

Underground Freshwater Information – Document 4
No geological survey data was submitted – Section 245.21(a)(5) requires reference to the isgs data to insure that freshwater will not be contaminated. In addition, Woolsey has failed to establish the “lowest potential fresh water”

In violation of Section 245.210(a)(6) Woolsey has failed to clearly identify the Confining Zone for the fracking operation.

Data on Transmissive Faults is Lacking, which is a major problem due to the fact that the proposed well is in close proximity to the Wabash Fault. This is a specific requirement of Section 245.210(a)(6)(A).

Hydraulic Fracturing Fluids and Flowback Plan – Document 10

Woolsey’s plan is incomplete because it does not provide the required information on “injection schedule, flow rate, reuse volume, storage, any treatment and total volume in detail.”

There is no testing plan for flowback water as required by law. This is an extremely important section of the permit application. The permit should be denied.
The earthen berms are inadequate for site containment. If the flowback calculation is closer to the average amount for HVHHF wells, as calculated by other states, the secondary storage proposed will be totally inadequate.

**Wellsite Safety Plan – Doc. 11**
What is the definition of the “black shale” that is to be tested for Naturally Occurring Radioactive Material – the extent of the sampling is unclear.

**Casing and Cementing Plan – Doc. 13**
The Woolsey application does not address the potential for earthquakes damaging the cement. This must be addressed, since the proposed well is in the active Wabash Fault area.

**Proof of Insurance – Doc. 18**
The certificate of insurance is insufficient to meet the requirements set by the HVHHF Act. This permit should be denied.

**Inadequate Water Quality Monitoring Plan**
Woolsey’s plan does not come close to addressing the requirements in the HVHHF Act for Water Quality Monitoring. The plan is generic and does not specify the details required by the Act. The permit should be denied.

**Insufficient Bond** – Doc. 27
The information given for the well is insufficient to determine whether or not the $50,000 bond is sufficient.

Sincerely,
Barbara McKasson
Dear Illinois Department of Natural Resources,

I am writing these comments in regards to the application from Woolsey Operating Company, LLC for a permit under the Hydraulic Fracturing Regulatory Act (HFRA), assigned to Review Number HVHHF-000001. The proposed well (Woodrow #1H-310408-193) in White County, Illinois would threaten public health and safety and the permit application contains a number of issues highlighted below.

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Thank you for your attention to my comments. Illinois DNR should reject the company's inadequate permit application that fails to protect our health and environment.

Sincerely,

Barbara McKasson

This message was sent by KnowWho, as a service provider only, on behalf of the individual noted in the sender information.
Attached are my comments on the Woolsey Operations Company permit application HVHHF#000001

Please include these comments in the record.

Also, I request a public hearing on the permit application.

Barbara McKasson
Dear Illinois Department of Natural Resources,

I urge you to protect Illinois' natural resources and our public health and safety by denying Woolsey Operating Company LLC's well permit application (HVHHF Review #: 000001).

Hundreds of studies have shown that the practice of hydraulic fracturing pollutes our air, water and soil with toxic, carcinogenic and radioactive materials.

Even without any severe accident (such as the Woolsey well explosion in Fairfield in 2014), we know through air sampling, water testing and infrared footage that fracked wells leak. The proposed well site is within one mile of at least 5 known oil wells, and Woolsey Oil Corporation has a plan to flare excess methane, exposing the area nearby to toxins.

Do not sacrifice the health of Illinoisans and our natural resources for a toxic industry. Please deny the Woolsey Operating Company fracked well permit.

Sincerely,

Mr. Curtis McKay
Questions For the Office of Gas and Resource Management Concerning Woolsey Operating Company Oil Rig Currently Applying to Frack in Illinois

RE: {"HVHHF #000001"}

Comment Feedback to Illinois Dept. of Natural Resources

(1) Problematic over-use of Water in drought prone area and time frame.
No justification is given in either the original application or the Supplemental Data by the Applicant for this exceptionally large water use or why it should not be deemed wasteful in violation of Illinois’ reasonable use doctrine for groundwater withdrawals. Such exceptionally large water consumption is particularly significant in White County, as this water will be removed from three (3) groundwater wells located in fairly shallow sand and gravel aquifers that can be rapidly depleted. Illinois has already had two significant droughts in the last 10 years. The Woolsey application indicates it plans on withdrawing the bulk of its water in the summer months when drought conditions and aquifer depletion are at their highest.

(2) Is Personnel Commitment Adequate?
Page 117 of the 164 page Well Site Safety Plan has The table listing on the Well Site Safety Plan with examples of "Permissible Heat Exposure TLV" (Threshold Limit Values).
Will adequate personnel be on duty at all appropriate times to accommodate this schedule?

(3) Company History in Illinois has already been deemed irresponsible. This should disqualify them. Monday, January 27th, 2014, the casing blew out of a Woosley Operating Company oil rig near Highway 15 southeast of Fairfield, IL. Two Southern Illinoisans Against Fracturing our Environment (SAFE) volunteers witnessed the wreckage the following morning. Local reports said that two workers were injured in the explosion. Now, three and a half years later, Woolsey wants to engage in high volume horizontal fracking in Illinois.

(4) Section 11 Well Site Safety Plan Seems inconsistent.
The Schematic of Well Pad & HVHHF Flow Back Operations in Figure 2.1 shows 3 flow back fluid storage tanks. By contrast, the Water Source Management Plan lists 6 flow back fluid storage tanks, each with a 21,000 gallon capacity. If the schematic correct, on site storage for flow back fluid is reduced to 63,000 gallons. This information is not consistent.

(5) Adequate Flowback storage is questionable.
When Woolsey anticipates 7.5 million gallons of frac fluid, have they demonstrated that their proposed flowback storage is adequate? Figure 2-4: Site Waterways Setback on Page 14 states it is 3700' to the nearest perennial stream. The original Well Site Setback plan illustrates at least 5 "non-perennial streams". Who designates these streams as "non-perennial" and what precautions is Woolsey proposing to ensure safety regarding these streams?

I appreciate you taking these concerns under advisement. Although there are more reasons that I oppose this project out of environmental concern, these disturb me the most and I think indicate reasons not to proceed with this questionable Illinois fracking project which will impact our state land and resources negatively.

Thanks for this consideration. Please protect, rather than strip, our precious state natural resources. WE count on the IDNR to be the safeguard on behalf of the people of Illinois rather than the promoter of corporate goals and aims of an entity that has already has history of harm in our state. {See Comment #3}.

Submitted by
Jacqueline McKay (former, and still concerned) resident of Southern ILL.
Jun 24, 2017

Illinois Department of Natural Resources Illinois Department of Natural Resources IL

Dear Illinois Department of Natural Resources,

I urge you to protect Illinois' natural resources and our public health and safety by denying Woolsey Operating Company LLC's well permit application (HVHHF Review #: 000001).

Hundreds of studies have shown that the practice of hydraulic fracturing pollutes our air, water and soil with toxic, carcinogenic and radioactive materials.

Even without any severe accident (such as the Woolsey well explosion in Fairfield in 2014), we know through air sampling, water testing and infrared footage that fracked wells leak. The proposed well site is within one mile of at least 5 known oil wells, and Woolsey Oil Corporation has a plan to flare excess methane, exposing the area nearby to toxins.

Several states have opposed fracking based on the threats to the environment and extraction processes that are not proven safe for the state's general welfare. Will we join those states or allow profit based businesses to do to Illinois what they have done to states like Oklahoma, whose massively increased earthquake threats, health threats to citizens and pollution of groundwater threaten the future viability and prosperity of this state and its residents.

Do not sacrifice the health of Illinoisans and our natural resources for a toxic industry. Please deny the Woolsey Operating Company fracked well permit.

Sincerely,

Ms. Jackie McKay
Dear Illinois Department of Natural Resources,

I am writing these comments in regards to the application from Woolsey Operating Company, LLC for a permit under the Hydraulic Fracturing Regulatory Act (HFRA), assigned to Review Number HVHHF-000001. The proposed well (Woodrow #1H-310408-193) in White County, Illinois would threaten public health and safety and the permit application contains a number of issues highlighted below.

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Thank you for your attention to my comments. Illinois DNR should reject the company's inadequate permit application that fails to protect our health and environment.

Sincerely,

Jolene Mckay

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Oil & Gas Regulatory Staff,

I urge you to protect Illinois' natural resources and our public health and safety by denying Woolsey Operating Company LLC's well permit application (HVHHF Review #: 000001).

Hundreds of studies have shown that the practice of hydraulic fracturing pollutes our air, water and soil with toxic, carcinogenic and radioactive materials.

Even without any severe accident (such as the Woolsey well explosion in Fairfield in 2014), we know through air sampling, water testing and infrared footage that fracked wells leak. The proposed well site is within one mile of at least 5 known oil wells, and Woolsey Oil Corporation has a plan to flare excess methane, exposing the area nearby to toxins.

Do not sacrifice the health of Illinoisans and our natural resources for a toxic industry. Please deny the Woolsey Operating Company fracked well permit.

Jackie McKay
Dear Illinois Department of Natural Resources,

I am writing these comments in regards to the application from Woolsey Operating Company, LLC for a permit under the Hydraulic Fracturing Regulatory Act (HFRA), assigned to Review Number HVHHF-000001. The proposed well (Woodrow #1H-310408-193) in White County, Illinois would threaten public health and safety and the permit application contains a number of issues highlighted below.

The application is woefully lacking in data and information required by the Illinois legislature and Illinois DNR under the rules and regulations of the HFRA that are designed to protect public health and the environment, and so cannot be approved as submitted. For example, the permit application does not give the exact location of the two disposal wells. The locations should be given with GPS coordinates so that the public knows exactly where these wells are located.

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5. The operations as described in the application would fail to preserve topsoil, and the stormwater management plan is inadequate.
6. The application plans for deficient surface and groundwater sampling. Adequate sampling must be required to protect important water sources.

Thank you for your attention to my comments. Illinois DNR should reject the company's inadequate permit application that fails to protect our health and environment.

Sincerely,

John Mckee
Dear Illinois Department of Natural Resources,

I am writing these comments in regards to the application from Woolsey Operating Company, LLC for a permit under the Hydraulic Fracturing Regulatory Act (HFRA), assigned to Review Number HVHHF-000001. The proposed well (Woodrow #1H-310408-193) in White County, Illinois would threaten public health and safety. We have more opportunities for wind and solar energy than our neighbors and we need to use those opportunities instead of fracking.

Sincerely,

Mary Mckee

This message was sent by KnowWho, as a service provider only, on behalf of the individual noted in the sender information.
Dear Illinois Department of Natural Resources,

I urge you to protect Illinois' natural resources and our public health and safety by denying Woolsey Operating Company LLC's well permit application (HVHHF Review #: 000001).

Hundreds of studies have shown that the practice of hydraulic fracturing pollutes our air, water and soil with toxic, carcinogenic and radioactive materials.

Even without any severe accident (such as the Woolsey well explosion in Fairfield in 2014), we know through air sampling, water testing and infrared footage that fracked wells leak. The proposed well site is within one mile of at least 5 known oil wells, and Woolsey Oil Corporation has a plan to flare excess methane, exposing the area nearby to toxins.

Do not sacrifice the health of Illinoisans and our natural resources for a toxic industry. Please deny the Woolsey Operating Company fracked well permit.

Sincerely,

Mrs. Cynthia McKendall
Dear Illinois Department of Natural Resources,

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Sincerely,

Mrs. Cynthia McKendall
Jun 16, 2017

Illinois Department of Natural Resources Illinois Department of Natural Resources IL

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Sincerely,

Ms. P. McKenna
Dear Illinois Department of Natural Resources,

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Thank you for your attention to my comments. Illinois DNR should reject the company's inadequate permit application that fails to protect our health and environment.

Sincerely,

Patti Mckinley

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Dear Illinois Department of Natural Resources,

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Thank you for your attention to my comments. Illinois DNR should reject the company's inadequate permit application that fails to protect our health and environment.

Sincerely,

Anne Mckinney

This message was sent by KnowWho, as a service provider only, on behalf of the individual noted in the sender information.
The USEPA's final ground water report found nothing to suggest that fracking is a serious risk to groundwater. Impacts to groundwater identified by the report were attributable to activities not exclusive to fracking.

No fewer than 18 reputable studies, including 7 by governmental agencies, have concluded that fracking is not a significant threat to drinking water.

The USGS has stated that fracking is not causing most of the induced earthquakes in the United States. High volume, deep waste water injection from day to day oil and gas operations can under various specific circumstances cause induced seismicity. (No such injection in Illinois).

The overwhelming majority of scientific research stated by environmental activists fails to take actual measurements to support their conclusions and lack evidence of causation. Many of the studies have been part of a campaign by anti-fracking groups to arrive at research to support the anti-fracking agenda. The Hydraulic Fracturing Regulatory Act is over 125 pages and the IDNR regulations are also over 125 pages in length. The Act and the regulations were thoroughly negotiated with representatives from the State, the oil and gas industry, and the environmental community. All parties had a seat at the table and the fact that the Illinois law and regulations are the most restrictive in the United States indicates the success of all parties to the negotiations obtaining provisions to address their concerns.
Dear Illinois Department of Natural Resources,

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Thank you for your attention to my comments. Illinois DNR should reject the company's inadequate permit application that fails to protect our health and environment.

Sincerely,

John Mckinnon

This message was sent by KnowWho, as a service provider only, on behalf of the individual noted in the sender information.
I oppose this permit (Review Number of HVHNF-000001).

The state of Illinois should stop all future fracking and focus on inexhaustible and clean energy sources such as solar and wind.

Sincerely,
Carol McKinny
Dear Illinois Department of Natural Resources,

I am writing these comments in regards to the application from Woolsey Operating Company, LLC for a permit under the Hydraulic Fracturing Regulatory Act (HFRA), assigned to Review Number HVHHF-000001. The proposed well (Woodrow #1H-310408-193) in White County, Illinois would threaten public health and safety and the permit application contains a number of issues highlighted below.

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Sincerely,

Kim Mclaren

This message was sent by KnowWho, as a service provider only, on behalf of the individual noted in the sender information.
Dear Illinois Department of Natural Resources,

Clean renewable energy does not endanger anyone..... WHAT PART OF THIS IS TOO HARD FOR YOU MORONS.......DON’T BE A STUPID TRUMP FOLLOWER AND DESTROY OUR ENVIRONMENT.......I urge you to protect Illinois’ natural resources and our public health and safety by denying Woolsey Operating Company LLC’s well permit application (HVHHF Review #: 000001).

Hundreds of studies have shown that the practice of hydraulic fracturing pollutes our air, water and soil with toxic, carcinogenic and radioactive materials.

Even without any severe accident (such as the Woolsey well explosion in Fairfield in 2014), we know through air sampling, water testing and infrared footage that fracked wells leak. The proposed well site is within one mile of at least 5 known oil wells, and Woolsey Oil Corporation has a plan to flare excess methane, exposing the area nearby to toxins.

Do not sacrifice the health of Illinoians and our natural resources for a toxic industry. Please deny the Woolsey Operating Company fracked well permit.

Sincerely,

Ms. dagmar mclaughlin
Jun 16, 2017

Illinois Department of Natural Resources Illinois Department of Natural Resources IL

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Do not sacrifice the health of Illinoisans and our natural resources for a toxic industry. Please deny the Woolsey Operating Company fracked well permit.

Sincerely,

Mr. Dan McLaughlin
Dear Illinois Department of Natural Resources,

There is an oversupply of oil on the market, gas prices are at all time low........SO WE NEED TO BE DRILLING FRACKING AND MINING BECAUSE......??????

BECAUSE DUMB AND DUMBER ARE RUNNING THIS COUNTRY!!!!! I am writing these comments in regards to the application from Woolsey Operating Company, LLC for a permit under the Hydraulic Fracturing Regulatory Act (HFRA), assigned to Review Number HVHHF-000001. The proposed well (Woodrow #1H-310408-193) in White County, Illinois would threaten public health and safety and the permit application contains a number of issues highlighted below.

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Oil & Gas Regulatory Staff,

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Scott McLellan

[Redacted]
Dear Illinois Department of Natural Resources,

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Sincerely,

Sarah McManus

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Dear Illinois Department of Natural Resources,

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Sincerely,

Mrs. Rosalie Mcmenamin
No Testing Plan for Flowback Water!
A testing plan is required by law.
This application should be denied because of this.

Annette McMichael
Extensive, detailed scientific information proving the many dangers of fracking is now available. Many of these studies were not complete when the Illinois bill was signed into law. This information should be reviewed before moving forward on fracking.

Annette McMichael
Dear Illinois Department of Natural Resources,

I urge you to protect Illinois' natural resources and our public health and safety by denying Woolsey Operating Company LLC's well permit application (HVHHF Review #: 000001).

Hundreds of studies have shown that the practice of hydraulic fracturing pollutes our air, water and soil with toxic, carcinogenic and radioactive materials.

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Earth quakes have happened in Oklahoma and other states where injection wells were utilized. It's dangerous and unwise to grant a his permit request.

Do not sacrifice the health of Illinoisans and our natural resources for a toxic industry. Please deny the Woolsey Operating Company fracked well permit.

Sincerely,

Mr. James McMichael
Jun 19, 2017

Illinois Department of Natural Resources Illinois Department of Natural Resources IL

Dear Illinois Department of Natural Resources,

I urge you to protect Illinois' natural resources and our public health and safety by denying Woolsey Operating Company LLC's well permit application (HVHHF Review #: 000001).

This community cannot afford to lose that much water.

Do not sacrifice the health of Illinoisans and our natural resources for a toxic industry. Please deny the Woolsey Operating Company fracked well permit.

Sincerely,

Mrs. Annette McMichael
Dear Illinois Department of Natural Resources,

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Sincerely,

Ms. Mair McNamara
Dear Illinois Department of Natural Resources,

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Thank you for your attention to my comments. Illinois DNR should reject the company's inadequate permit application that fails to protect our health and environment.

Sincerely,

Mair Mcnamara

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Sincerely,

Mair McNamara

This message was sent by KnowWho, as a service provider only, on behalf of the individual noted in the sender information.
Dear IDNR Oil & Gas Regulatory Staff:

I am writing on behalf of The People’s Lobby and Reclaim Chicago regarding the Woolsey Operating Company, LLC application for a High Volume Hydraulic Fracturing Permit (HVHHF #000001).

We believe the Woolsey permit application is woefully inadequate. The initial permit application, submitted on May 22, 2017, contained overarching generalities and deficiencies detailed in the second section of the attached comments.

The supplemental application submitted on June 26, 2017 demonstrates a continued disinterest in adhering to the letter or spirit of the Hydraulic Fracturing Regulatory Act (HFRA). Woolsey has clearly demonstrated their inability to complete a full and complete initial application to engage in high volume horizontal fracking. They were essentially given an “open book” test -- HFRA outlines exactly what must be included in an application -- and have demonstrated they still can’t pass that test. As such, we assert that they should not be given a permit to engage in fracking in the state of Illinois.

Sincerely,

Grace Pai
Organizer, The People’s Lobby & Reclaim Chicago

--
IIRON is now The People’s Lobby Education Institute and the IIRON Student Network is now Chicago Student Action! Our names have changed, but our mission remains the same.

Grace K. Pai | Organizer (she/her/hers)
The People's Lobby & The People's Lobby Education Institute
grace@thepeopleslobbyusa.org
310-433-1107 cell

Like The People's Lobby on Facebook
Follow The People's Lobby on Twitter
Jun 19, 2017

Illinois Department of Natural Resources Illinois Department of Natural Resources IL

Dear Illinois Department of Natural Resources,

I urge you to protect Illinois' natural resources and our public health and safety by denying Woolsey Operating Company LLC's well permit application (HVHHF Review #: 000001).

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Sincerely,

Mrs. Lorrie Palacios
Dear Illinois Department of Natural Resources,

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Sincerely,

Diane Palin

This message was sent by KnowWho, as a service provider only, on behalf of the individual noted in the sender information.
Dear Illinois Department of Natural Resources,

I am writing these comments in regards to the application from Woolsey Operating Company, LLC for a permit under the Hydraulic Fracturing Regulatory Act (HFRA), assigned to Review Number HVHHF-000001. The proposed well (Woodrow #1H-310408-193) in White County, Illinois would threaten public health and safety and the permit application contains a number of issues highlighted below.

The application is woefully lacking in data and information required by the Illinois legislature and Illinois DNR under the rules and regulations of the HFRA that are designed to protect public health and the environment, and so cannot be approved as submitted. For example, the permit application does not give the exact location of the two disposal wells. The locations should be given with GPS coordinates so that the public knows exactly where these wells are located.

From the information that is provided, a number of concerns arise, including but not limited to:

1. The application requests exceptionally large water withdrawals from groundwater resources that are very susceptible to depletion, and fails to include plans to recycle water or otherwise minimize water consumption.
2. The application significantly underestimates flowback volumes, and plans for inadequate containment facilities for even that amount of flowback and other chemicals/wastes that the application does estimate.
3. The application conceals information on hazardous fracking chemicals without attempting to demonstrate entitlement to trade secret protection.
4. The application includes inadequate insurance for the well, with insurance that excludes the very types of damages to private landowners' property that should be protected.
5. The operations as described in the application would fail to preserve topsoil, and the stormwater management plan is inadequate.
6. The application plans for deficient surface and groundwater sampling. Adequate sampling must be required to protect important water sources.

Thank you for your attention to my comments. Illinois DNR should reject the company's inadequate permit application that fails to protect our health and environment.

Sincerely,

Ludwig Paller
Jun 26, 2017

Illinois Department of Natural Resources Illinois Department of Natural Resources IL

Dear Illinois Department of Natural Resources,

I urge you to protect Illinois' natural resources and our public health and safety by denying Woolsey Operating Company LLC's well permit application (HVHHF Review #: 000001).

Hundreds of studies have shown that the practice of hydraulic fracturing pollutes our air, water and soil with toxic, carcinogenic and radioactive materials.

Even without any severe accident (such as the Woolsey well explosion in Fairfield in 2014), we know through air sampling, water testing and infrared footage that fracked wells leak. The proposed well site is within one mile of at least 5 known oil wells, and Woolsey Oil Corporation has a plan to flare excess methane, exposing the area nearby to toxins. To support fracking in our state you'd have to be oblivious and ignorant of the great harm that has come to the communities in the pioneer fracking states. Please consider our invaluable natural resources and reject fracking in IL.

Do not sacrifice the health of Illinoisans and our natural resources for a toxic industry. Please deny the Woolsey Operating Company fracked well permit.

Sincerely,

Mr. Michael Palma
Dear Illinois Department of Natural Resources,

I am writing these comments in regards to the application from Woolsey Operating Company, LLC for a permit under the Hydraulic Fracturing Regulatory Act (HFRA), assigned to Review Number HVHHF-000001. The proposed well (Woodrow #1H-310408-193) in White County, Illinois would threaten public health and safety and the permit application contains a number of issues highlighted below.

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6. The application plans for deficient surface and groundwater sampling. Adequate sampling must be required to protect important water sources.

Thank you for your attention to my comments. Illinois DNR should reject the company's inadequate permit application that fails to protect our health and environment.

Sincerely,

Brian Palmer

This message was sent by KnowWho, as a service provider only, on behalf of the individual noted in the sender information.
Jun 16, 2017

Illinois Department of Natural Resources Illinois Department of Natural Resources IL

Dear Illinois Department of Natural Resources,

I urge you to protect Illinois' natural resources and our public health and safety by denying Woolsey Operating Company LLC's well permit application (HVHHF Review #: 000001).

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Even without any severe accident (such as the Woolsey well explosion in Fairfield in 2014), we know through air sampling, water testing and infrared footage that fracked wells leak. The proposed well site is within one mile of at least 5 known oil wells, and Woolsey Oil Corporation has a plan to flare excess methane, exposing the area nearby to toxins.

Do not sacrifice the health of Illinoisans and our natural resources for a toxic industry. Please deny the Woolsey Operating Company fracked well permit.

Sincerely,

Mr. A PANELLI
Dear Illinois Department of Natural Resources,

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1. The application requests exceptionally large water withdrawals from groundwater resources that are very susceptible to depletion, and fails to include plans to recycle water or otherwise minimize water consumption.
2. The application significantly underestimates flowback volumes, and plans for inadequate containment facilities for even that amount of flowback and other chemicals/wastes that the application does estimate.
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6. The application plans for deficient surface and groundwater sampling. Adequate sampling must be required to protect important water sources.

Thank you for your attention to my comments. Illinois DNR should reject the company's inadequate permit application that fails to protect our health and environment.

Sincerely,

Andrew Panelli

This message was sent by KnowWho, as a service provider only, on behalf of the individual noted in the sender information.
1. In general, the Woolsey application is woefully lacking in data and information required by the General Assembly and the IDNR to protect public health and the environment. 2. From the information that is provided, a number of concerns arise, including but not limited to: • Exceptionally large water withdrawals from groundwater resources are proposed that are very susceptible to depletion, and failure to recycle water or otherwise minimize water consumption. • Significant underestimation of flowback volumes, and inadequate containment facilities for even that amount of flowback and other chemicals/wastes that the application does estimate. • Concealment of information on hazardous fracking chemicals without attempting to demonstrate entitlement to trade secret protection. • Inadequate insurance, with insurance that excludes the very types of damages to private landowners’ property that should be protected • Failure to preserve topsoil and an inadequate storm water management plan • Deficient surface and groundwater sampling 3. The Compendium of Scientific, Medical and Media Findings Demonstrating the Risks and Harms of Fracking, 4th Edition, now contains 924 citations on the risks and harms of fracking. 692 of those findings have been published since the passage of the Illinois Hydraulic Fracturing Regulatory Act on 6/17/13. The Woolsey application fails to address the new findings and, on that basis alone, it should not be granted a fracking permit in the state of Illinois. (HVHHF-000001)

Directional Drilling Plan - Document 3 1. Directional Drilling Plan- The drilling lengths and depths submitted in the Plan do not match the depth in the scaled cross-section. There is also a discrepancy in angle of the non-vertical portion of the wellbore. If Woolsey cannot provide accurate information in their application, how can we trust them to drill in our state? Underground Freshwater Information- Document 4 2. Inadequate Determination of Underground Freshwater - No Geological Survey Data submitted- Section 245.210(a)(5) requires reference to the Illinois State Geological Survey with regard to its proposed drilling. This is critical to insure that freshwater will not be contaminated. Woolsey has failed to provide this information. 3. Inadequate Evidence to Establish the Lowest Potential Fresh Water - Again, Woolsey has failed to provide this information. As such a clear potential exists that fresh water could exist below the drilling depth in a lower formation.

HVHHF Operations Plan - Document 5 4. Failure to Clearly Identify Formation to be Stimulated - The permit fails to clearly identify the formation that will be stimulated or fracked by the operation other than to state that the “drilling objective” is the New Albany Shale but later refers to the “objective” being the “Grassy Creek” shale and, later still, describes the “reservoir zone”, and the Semier Shale as the “frac barrier.” These terms are not synonymous and therefore both confusing and inadequate. 5. Failure to Clearly Identify the Confining Zone - Section 245.210(a)(6) requires the Applicant to specifically identify and describe the formation or formations that constitute the “confining zone” for the proposed well. The application fails to meet this requirement. In fact, it fails to use this term at all in its application. 6. Missing Data - There is no information, data, or calculations supplied on either a micro-seismic study or the “historic” use to support whether the identification of the “frac barriers” is technically sound. The application contains no information on which a reliable conclusion can be reliably drawn regarding a confining zone or “frac barrier” and the Application is therefore inadequate and must be denied. 7. Confusing Data- The Role of the Semier Shale is listed as both a “drilling objective” and a “frac barrier” (confining zone?) in the application. It cannot serve two purposes. It is either a drilling objective or a confining zone. 8. Inadequate Information- Fracturing Pressure- The fracturing pressure of the “producing zone” is given as 2,875 psi. Yet three separate formations are mentioned as “drilling objectives.” The same psi for all three would not be used. 9. Missing Data- Surface Training Pressure Range- This information is entirely missing. 10. No information on the Vertical Propagation of Fractures - One of the
most important safety features established in the Hydraulic Fracturing Regulatory Act is the requirement that the susceptibility for vertical propagation of fractures in the confining zone and the formations contributing to that zone, are accurately determined and stated in the application, Section 245.210(a)(6)(A). The Document completely fails to satisfy this safeguard. The singular sentence it does provide fails to articulate a conclusion that the well plans are adequate and effective. On this basis alone, the permit should be denied. 11. Missing Data-No information on extent, water or water source, is provided for any formation and no thickness information is provided for the three formations constituting the New Albany Shale. 12. Data on Transmissive Faults Lacking - The potential for transmissive faults contiguous to HVHHF wells is a major public health and safety concern and is therefore a specific requirement for analysis in Section 245.210(a)(6)(A). However, no specific information or reliable analysis on this important feature is provided in the Document. No information on the scope, lateral extent, depth or sophistication of this survey is provided. Chemical Disclosure Report-Document 7 13. Chemical Disclosure Plan The Document explicitly states that no trade secrecy claim will be made in connection with the chemicals proposed for use in the Application. That assertion is untrue. The Chemical and Proppant List includes the Corrosion Inhibitor Cronox AK-50 and six of its constituent chemicals supplied by vendor Baker Hughes. However, Section 3 of the Safety Data Sheet for Cronox AK-50 on “Composition/Information on Ingredients” lists ten constituent chemicals. The four chemicals in Cronox AK-50 that Applicant fails to identify in its Chemical and Proppant List: 1) Oxyalkylated alkylphenol (10-20% of total mixture), 2) Fatty acids (5-10% of total mixture), 3) Complex alkylaryl polyo-ester (5-10% of total mixture) and 4) Acetylenic alcohol (1-5% of total mixture). All four of these constituent chemicals have their Chemical Abstract Service Number concealed on the Safety Data Sheet for the stated reason of “Trade Secret.” Water Source Management Plan- Document 9 14. Failure to Propose Methods to Minimize Water Withdrawals One of the most important public safeguards of the Hydraulic Fracturing Regulatory Act is the mandate in Section 1-35(b)(10)(C) that an applicant must specify in the Application’s Water Source Management Plan: “the methods to be used to minimize water withdrawals as much as feasible.” This requirement is carried over directly into Section 245.210(a)(10)(A)(iv). To meet the literal wording of this statement requires that the Applicant consider a reasonable range of methods to reduce its water consumption and select those withdrawal minimization methods and alternatives that are appropriate to its proposed operation. Not only do the rules specifically require consideration of minimization alternatives, but an Application should also satisfy the “reasonable use” doctrine of groundwater use adopted in the Illinois Water Use Act of 1983 at 525 ILCS 45/6 (“The rule of “reasonable use” shall apply to groundwater withdrawals in the State.”) that reasonable use does not include water used “wastefully,” 525 ILCS 45/4. The Applicant’s Water Source Management Plan completely ignores these requirements. It fails to indicate a reasonable set of methods that it will employ to minimize groundwater withdrawals and, even worse, fails to indicate that the applicant undertook any effort at all to consider minimizing its water use in designing its operations. This is a special concern in this Application where the Applicant proposes to utilize its own water wells and does not have the disincentive of paying on a per-gallon basis or having transportation costs to limit over-consumption. Further supporting this concern is the fact that the Applicant’s proposed operations appear to be especially wasteful in its proposed water use. The Water Source Management Plan proposes to use a total of 7,500,000 gallons of local groundwater in its treatment operations. This quantity is a full 50% greater than what the Department itself considers to be the “most commonly reliable figure” for a HVHHF of from “4.4 to 5 million gallons per well.” No justification is given by the Applicant for this exceptionally large water use or why it should not be deemed wasteful in violation of Illinois’ reasonable use doctrine for groundwater withdrawals. Such exceptionally large water consumption is particularly significant in White County, as this water will be removed from three (3) groundwater wells located in fairly shallow sand and gravel aquifers that can be rapidly depleted. Illinois has already had two significant droughts in the last 10 years. The Woolsey application indicates it plans on withdrawing the bulk of its water in the summer months when drought conditions and aquifer depletion are at their highest. The Applicant’s failure to address its minimization duty is further compounded by its apparent failure to consider use of recycled water for its operation. Its only consideration of recycled water use is a single sentence in its Water Source Management Plan that “Backflow will not commence until injection in all frac stages has been completed, thus there will be no opportunity for use of recycled water in the hydraulic fracture completion.” Concern about the inadequacy of Applicant’s efforts to minimize water use is further reinforced by plan’s only stated “method” for
avoiding the wasting of water, i.e., that it will limit the potential for leakage on-site through the use of piping rather than trucking and keeping the piping limited in length. This claim is far too insubstantial to meet the General Assembly’s intention for an effective effort at water minimization; this is a basic design consideration that is only being puffed up to masquerade as genuine water conservation efforts. Indeed, if leak management was seriously intended, there would be a leak prevention and management plan put in place. There is none. The only way that the Applicant can satisfy its duty of “reasonable use” of the state’s groundwater and the regulatory requirement to “minimize water withdrawals as much as feasible” is to undertake a review of alternatives and to use the one that utilizes the least water, provided there is no adequately supported business reason to use a more wasteful alternative. Nothing in the Document indicates that such an effort has been undertaken. The Application therefore cannot be approved because the Applicant has not shown that its efforts at minimizing water use are adequate and effective. Because of the failure to address any methods or alternatives to minimize its water usage, the application must be denied for the failure to meet the requirements for Water Source Management Plans. If the Plan would be approved on this basis, the practical result would be to write the minimization requirement of Section 1-35(b)(10)(C) of the Act out of the state’s statutes and to lose all its intended benefits for the people of Illinois, especially the farmers of White County.

15. Will there be a Fourth Well Drilled by the Applicant on Site? The Applicant’s Water Source Management Plan explicitly provides that it will involve three water wells to supply 7,500,000 gallons of water for the base fluid of the hydraulic fracturing operation. However, the Applicant’s Water Quality Monitoring Plan (Document 21) contains the following statement on page 7: The water sources included under this plan include both underground aquifers (one existing and 3 proposed HVHHF water supply wells) and a surface water body (a stock pond). A fourth potentially required water supply well may be drilled, and, if completed, will be included in this monitoring program. (emphasis added) Apparently, Woolsey does not intend to be bound by its Water Source Management Plan and reserves discretion to modify it for its own undisclosed purposes in a manner that might increase its already high levels of water consumption. However, the clear intent of the Hydraulic Fracturing Regulatory Act is to make these plans binding. Accordingly, the Department should require that the reference highlighted above to a possible fourth well be deleted from the Water Quality Monitoring Plan and the Applicant expressly limited to the three wells proposed in the Water Source Management Plan, provided a valid consideration of minimization methods and alternatives does not reduce that number even further (see previous comment).

16. Inadequate information on Fracturing Fluids- The Applicant’s Hydraulic Fracturing Fluids and Flowback Plan contains barely a full page of information and either completely neglects or is patently vague on numerous items of required information. Equally unacceptable, it contains no supporting information for the conclusory statements it does make. Specifically, none of the information required by paragraph (b) of the Department’s form regarding fracturing fluid is provided as the only information stated in the Applicant’s plan is on flowback. Accordingly, the Application is incomplete and must be returned to the Applicant to provide the paragraph (b) required information on “injection schedule, flow rate, reuse volume, storage, any treatment and total volume in detail.”

17. Unrealistic Rate of Flowback Recovery Proposed- The application states an anticipated 4-5,000 barrels of flowback will be recovered but fails to give information on how this number was calculated. The number proposed in the application is 2.8% of the total estimated to be utilized. This is substantially less (5.4 to 7.1 times less) than the average amount of flowback highlighted by the Ohio DNR for fracking, which is 15-20% of the total volume used. If the Ohio numbers are correct, Woolsey will have dramatically underestimated it’s needs for storage capacity and transport. Woolsey must be required to quantify how it arrived at its numbers or be denied a permit on this basis.

18. Inadequate Information on Storage Tanks- The application states an anticipated 4-5,000 barrels of flowback will be recovered but fails to give information on how this number was calculated. The number proposed in the application is 2.8% of the total estimated to be utilized. This is substantially less (5.4 to 7.1 times less) than the average amount of flowback highlighted by the Ohio DNR for fracking, which is 15-20% of the total volume used. If the Ohio numbers are correct, Woolsey will have dramatically underestimated it’s needs for storage capacity and transport. Woolsey must be required to quantify how it arrived at its numbers or be denied a permit on this basis.

19. No Testing Plan for Flowback Water- This is required by law but missing in the application. This is such a critical feature that the permit application should be denied on this basis alone.

20. Use of Earthen Containment Berms- The plan states that the flowback storage tanks will be “enclosed by earthen containment berms which will be of sufficient size to contain all of the possible flow back fluid temporary storage volume.” No information is provided regarding the engineering properties or layout of these earthen berms. Earthen berms are inadequate for site containment. And, s identified
in previous comments, if the flowback calculation is closer to Ohio DNR’s numbers, the storage proposed will be completely inadequate. Wellsite Safety Plan- Document 11 21. No Clarity for NORM Sampling to Undefined “Black Shale”- Section 3.2.10 of the Wellsite Safety Plan addresses Naturally Occurring Radioactive Material (“NORM”). This section limits the drill cuttings to be tested for radioactivity to “black shale.” Although this phrase is used in the regulations, it is not defined there or in the Safety Plan, nor at any other point in the Application. Accordingly, what is considered the “black shale” subject to this testing requirement is unspecified. The Plan should therefore be amended to identify the specific geologic formations that the Applicant considers to be “black shale,” in the vicinity of its proposed well, including the formation depth, so the extent of sampling will be clear. 22. Safety Considerations of the General Public- There is virtually no consideration given to the safety of members of the general public that may be in the site’s vicinity. This is unacceptable and a permit should be denied on this basis. Containment Plan- Document 12 23. The Containment Plan is completely inadequate. It fails to provide specific information on capacity and design. Please see previous comments on the inadequacy of the “earthen containment berms and the lack of specificity in the number of containment tanks especially in light of the (probably) underestimated amount of flowback. Casing and Cementing Plan- Document 13 24. Missing Information in the Casing and Cementing Plan- The casing and cementing plan does not address the requirements labeled in Document 13 regarding the potential for earthquakes. The application is therefore incomplete and must either be amended by the applicant or denied by IDNR. Furthermore, the casing and cementing plan is completely inadequate to meet Illinois’ regulations. It does not include the detail required by the HFRA and cannot be approved without this critical information. Traffic Management Plan- Document 14 25. Traffic Avoidance of the Wabash River- The application plan fails to address the need to avoid road traffic of hazardous materials in proximity to the Wabash River, a public water supply source. Proof of Insurance- Document 18 26. The Certificate of insurance is insufficient to meet the requirements set by the HFRA and should be denied on that basis. Failure to Specify Earthquake or Floodplain Hazard 27. Specification of Earthquake area or floodplain missing or inadequate- The Department’s form requires the applicant to identify whether the insured wellsite location is in a define earthquake area or a regulatory floodplain. The Application meets neither requirement. Topsoil Preservation Plan- Document 19 28. Topsoil Plan Inadequate- The Department’s form requires that the Topsoil Preservation Plan must be provided with “detail.” ("Please detail the plan to stockpile, stabilize . . . any topsoil and subsoil . . ."). No information is provided as to the amount of soil (top or sub) that will be stockpiled. The level of negligible detail that IS provided, seems more like an effort to expend the least possible effort and expense in handling the soil by just spreading it around the site. Accordingly, it does not appear to be a “preservation” plan at all given this lack of detail. Water Quality Monitoring Plan 29. Inadequate Water Quality Monitoring Plan- The HFRA section governing Water Quality Monitoring is over six pages in length and is specific as to what is required in an approvable plan. The applicant plan is completely inadequate in addressing everything required for in the HFRA. For example, the applicant’s monitoring plan does not identify a single specific sampling point. Similarly the groundwater section is also generic. This is unacceptable and the application should be denied on this basis. 30. Data Analysis Procedure Plan Inadequate- The laboratory tests require an interpretation of the test results and for that purpose, the Applicant concludes its Water Quality Monitoring Plan with a section titled “Data Analysis Procedures.” The Section is completely generic and does not actually provide such analytic procedures, thus rendering the Application incomplete. Instead of supplying an actual data analysis plan, the Applicant merely states that “the method to be used under this plan is based on (emphasis added) U.S. EPA methodology established for the assessment of contaminants in environmental samples, and is described in Chapter 9 of U.S. EPA publication 846. We plan to use a data analysis plan based on that methodology.” Accordingly, no plan is proposed that can be evaluated during the public comment period and the Application is incomplete. There is no valid reason why such a plan cannot be presented for comment now. Without it, the application must be denied. 31. Water Quality Monitoring Work Plan is not “independent”- The "Water Quality Monitoring Work Plan" calls for an "independent third party" to collect and sample water to establish baseline measurements of water quality and quantity. The Water Quality Monitoring Work Plan also tasks an "independent third party" to collect and sample water for years into the future. The Water Quality Monitoring Work Plan application states Shawnee Professional Services will collect water samples to establish baseline measurements. The Water Quality Monitoring Work Plan application also states Shawnee Professional Services
will collect water samples for years into the future. There can be no greater public interest than the monitoring of water quality & quantity. The public must depend on IDNR to protect its interests. Shawnee Professional Services has a conflict of interest. Mitch Garret owner of Shawnee Professional Services was a founder of a pro fracking group formed in Johnson County to fight the non-binding resolution "A Community Bill of Rights" in the spring of 2014. The pro fracking group felt so threatened by the non-binding "A Community Bill of Rights" resolution that one of its first acts was to "convince" The Vienna Times newspaper, three weeks prior to the vote, to refuse all anti fracking advertisement, articles and letters to the editor. To leave the ultimate "public interest" in the hands of a company owned by Mitch Garret is to not understand the meaning of independent third party. Radioactive Materials Management- Document 25

32. Lack of Clarification on “Black Shale” subject to sampling- As stated in the previous comments under Document 11, the Wellsite Safety Plan, the phrase “black shale” is not defined in the regulations and the extent of sampling thereof is uncertain. Please confirm what geologic formations you consider to be in the “black shale” that will be tested pursuant to this requirement.

33. Need to Clarify If Filters Will Be Used and Tested for Radioactivity.- One of the most serious sources for radioactive contamination is from filters used at hydraulic fracturing sites and disposal sites. No mention is made of filters in the Application or of the specific type of equipment to be used on-site. The Applicant must state whether any filters will be utilized onsite and if so, how they will be managed.

Document 27

34. Insufficient bond- The bond amount identified in the application is in the amount of $50,000 which is the amount for a single well, not a blanket bond. In the approximate center of the bond is a box captioned with: “ONLY COMPLETE IF BOND IS FOR INDIVIDUAL WELL OR PERMIT.” The information to be entered in this box for an individual well gives locational and identifying information for the well covered, but the Applicant fails to provide any of that information. The Applicant must either provide a new Bond with this information or provide an explanation for why the Bond is incomplete and does not identify the well addressed in the Application. (HVHHF-000001)
I urge you to protect Illinois' natural resources and our public health and safety by denying Woolsey Operating Company LLC’s well permit application.

Hundreds of studies have shown that the practice of hydraulic fracturing pollutes our air, water and soil with toxic, carcinogenic and radioactive materials.

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Sincerely,

Ms. Jennifer Pantelios

Do not sacrifice the health of Illinoisans and our natural resources for a toxic industry. Please deny the Woolsey Operating Company fracked well permit.

Sincerely,
Hello,

(HVHHF-0000001) The Compendium of Scientific, Medical and Media Findings Demonstrating the Risks and Harms of Fracking, 4th Edition, now contains 924 citations on the risks and harms of fracking. 692 of those findings have been published since the passage of the Illinois Hydraulic Fracturing Regulatory Act on 6/17/13. The Woolsey application fails to address the new findings and, on that basis alone, it should not be granted a fracking permit in the state of Illinois.

Directional Drilling Plan- Document 3 1. Directional Drilling Plan- The drilling lengths and depths submitted in the Plan do not match the depth in the scaled cross-section. There is also a discrepancy in angle of the non-vertical portion of the wellbore. If Woolsey cannot provide accurate information in their application, how can we trust them to drill in our state? Underground Freshwater Information- Document 4 2. Inadequate Determination of Underground Freshwater - No Geological Survey Data submitted- Section 245.210(a)(5) requires reference to the Illinois State Geological Survey with regard to its proposed drilling. This is critical to insure that freshwater will not be contaminated. Woolsey has failed to provide this information. 3. Inadequate Evidence to Establish the Lowest Potential Fresh Water - Again, Woolsey has failed to provide this information. As such a clear potential exists that fresh water could exist below the drilling depth in a lower formation.

HVHHF Operations Plan - Document 5 4. Failure to Clearly Identify Formation to be Stimulated - The permit fails to clearly identify the formation that will be stimulated or fracked by the operation other than to state that the “drilling objective” is the New Albany Shale but later refers to the “objective” being the “Grassy Creek” shale and, later still, describes the “reservoir zone”, and the Semier Shale as the “frac barrier.” These terms are not synonymous and therefore both confusing and inadequate. 5. Failure to Clearly Identify the Confining Zone - Section 245.210(a)(6) requires the Applicant to specifically identify and describe the formation or formations that constitute the “confining zone” for the proposed well. The application fails to meet this requirement. In fact, it fails to use this term at all in its application. 6. Missing Data - There is no information, data, or calculations supplied on either a micro-seismic study or the “historic” use to support whether the identification of the “frac barriers” is technically sound. The application contains no information on which a reliable conclusion can be reliably drawn regarding a confining zone or “frac barrier” and the Application is therefore inadequate and must be denied. 7. Confusing Data- The Role of the Selmier Shale is listed as both a “drilling objective” and a “frac barrier” (confining zone?) in the application. It cannot serve two purposes. It is either a drilling objective or a confining zone. 8. Inadequate Information- Fracturing Pressure- The fracturing pressure of the “producing zone” is given as 2,875 psi. Yet three separate formations are mentioned as “drilling objectives.” The same psi for all three would not be used. 9. Missing Data- Surface Training Pressure Range- This information is entirely missing. 10. No information on the Vertical Propagation of Fractures - One of the most important safety features established in the Hydraulic Fracturing Regulatory Act is the requirement that the susceptibility for vertical propagation of fractures in the confining zone and the formations contributing to that zone, are accurately determined and stated in the application, Section 245.210(a)(6)(A). The Document completely fails to satisfy this safeguard. The singular sentence it does provide fails to articulate a conclusion that the well plans are adequate and effective. On this basis alone, the permit should be denied. 11. Missing Data-No information on extent, water or water source, is provided for any formation and no thickness information is provided for the three formations constituting the New Albany Shale. 12. Data on Transmissive Faults Lacking - The potential for transmissive faults contiguous to HVHHF wells is a major public health and
was seriously intended, there would be a leak prevention and management plan put in place. There is none. The regulatory requirement to “minimize water withdrawals as much as feasible” is to undertake a review of only way that the Applicant can satisfy its duty of “reasonable use” of the state’s groundwater and the that is only being puffed up to masquerade as genuine water conservation efforts. Indeed, if leak management General Assembly’s intention for an effective effort at water minimization; this is a basic design consideration rather than trucking and keeping the piping limited in length. This claim is far too insubstantial to meet the avoid the wasting of water, i.e., that it will limit the potential for leakage on-site through the use of piping there will be no opportunity for use of recycled water in the hydraulic fracture completion.” Concern about the Management Plan that “Backflow will not commence until injection in all frac stages has been completed, thus for its operation. Its only consideration of recycled water use is a single sentence in its Water Source that is only being puffed up to masquerade as genuine water conservation efforts. Indeed, if leak management was seriously intended, there would be a leak prevention and management plan put in place. There is none. The only way that the Applicant can satisfy its duty of “reasonable use” of the state’s groundwater and the regulatory requirement to “minimize water withdrawals as much as feasible” is to undertake a review of alternatives and to use the one that utilizes the least water, provided there is no adequately supported business
reason to use a more wasteful alternative. Nothing in the Document indicates that such an effort has been undertaken. The Application therefore cannot be approved because the Applicant has not shown that its efforts at minimizing water use are adequate and effective. Because of the failure to address any methods or alternatives to minimize its water usage, the application must be denied for the failure to meet the requirements for Water Source Management Plans. If the Plan would be approved on this basis, the practical result would be to write the minimization requirement of Section 1-35(b)(10)(C) of the Act out of the state’s statutes and to lose all its intended benefits for the people of Illinois, especially the farmers of White County. 15. Will there be a Fourth Well Drilled by the Applicant on Site- The Applicant’s Water Source Management Plan explicitly provides that it will involve three water wells to supply 7,500,000 gallons of water for the base fluid of the hydraulic fracturing operation. However, the Applicant’s Water Quality Monitoring Plan (Document 21) contains the following statement on page 7: The water sources included under this plan include both underground aquifers (one existing and 3 proposed HVHHF water supply wells) and a surface water body (a stock pond). A fourth potentially required water supply well may be drilled, and, if completed, will be included in this monitoring program. (emphasis added) Apparently, Woolsey does not intend to be bound by its Water Source Management Plan and reserves discretion to modify it for its own undisclosed purposes in a manner that might increase its already high levels of water consumption. However, the clear intent of the Hydraulic Fracturing Regulatory Act is to make these plans binding. Accordingly, the Department should require that the reference highlighted above to a possible fourth well be deleted from the Water Quality Monitoring Plan and the Applicant expressly limited to the three wells proposed in the Water Source Management Plan, provided a valid consideration of minimization methods and alternatives does not reduce that number even further (see previous comment). Hydraulic Fracturing Fluids and Flowback Plan- Document 10 16. Inadequate information on Fracturing Fluids- The Applicant’s Hydraulic Fracturing Fluids and Flowback Plan contains barely a full page of information and either completely neglects or is patently vague on numerous items of required information. Equally unacceptable, it contains no supporting information for the conclusory statements it does make. Specifically, none of the information required by paragraph (b) of the Department’s form regarding fracturing fluid is provided as the only information stated in the Applicant’s plan is on flowback. Accordingly, the Application is incomplete and must be returned to the Applicant to provide the paragraph (b) required information on “injection schedule, flow rate, reuse volume, storage, any treatment and total volume in detail.” 17. Unrealistic Rate of Flowback Recovery Proposed- The application states an anticipated 4-5,000 barrels of flowback will be recovered but fails to give information on how this number was calculated. The number proposed in the application is 2.8% of the total estimated to be utilized. This is substantially less (5.4 to 7.1 times less) than the average amount of flowback highlighted by the Ohio DNR for fracking, which is 15-20% of the total volume used. If the Ohio numbers are correct, Woolsey will have dramatically underestimated it’s needs for storage capacity and transport. Woolsey must be required to quantify how it arrived at its numbers or be denied a permit on this basis. 18. Inadequate Information on Storage Tanks- The application states that the storage tanks will meet the qualities for the “purpose built.” There is no identification as to the number of storage tanks, which will be critical in light of the above comment, nor is there information on the rate/frequency for emptying the tanks. These are all inadequate. 19. No Testing Plan for Flowback Water- This is required by law but missing in the application. This is such a critical feature that the permit application should be denied on this basis alone. 20. Use of Earthen Containment Berms- The plan states that the flowback storage tanks will be “enclosed by earthen containment berms which will be of sufficient size to contain all of the possible flow back fluid temporary storage volume.” No information is provided regarding the engineering properties or layout of these earthen berms. Earthen berms are inadequate for site containment. And, s identified in previous comments, if the flowback calculation is closer to Ohio DNR’s numbers, the storage proposed will be completely inadequate. Wellsite Safety Plan- Document 11 21. No Clarity for NORM Sampling to Undefined “Black Shale”- Section 3.2.10 of the Wellsite Safety Plan addresses Naturally Occurring Radioactive Material (“NORM”). This section limits the drill cuttings to be tested for radioactivity to “black shale.” Although this phrase is used in the regulations, it is not defined there or in the Safety Plan, nor at any other point in the Application. Accordingly, what is considered the “black shale” subject to this testing requirement is unspecified. The Plan should therefore be amended to identify the specific geologic formations that the Applicant considers to be “black shale,” in the vicinity of its proposed well, including the formation depth, so
the extent of sampling will be clear. 22. Safety Considerations of the General Public- There is virtually no consideration given to the safety of members of the general public that may be in the site’s vicinity. This is unacceptable and a permit should be denied on this basis. Containment Plan- Document 12 23. The Containment Plan is completely inadequate. It fails to provide specific information on capacity and design. Please see previous comments on the inadequacy of the “earthen containment berms and the lack of specificity in the number of containment tanks especially in light of the (probably) underestimated amount of flowback. Casing and Cementing Plan- Document 13 24. Missing Information in the Casing and Cementing Plan- The casing and cementing plan does not address the requirements labeled in Document 13 regarding the potential for earthquakes. The application is therefore incomplete and must either be amended by the applicant or denied by IDNR. Furthermore, the casing and cementing plan is completely inadequate to meet Illinois’ regulations. It does not include the detail required by the HFRA and cannot be approved without this critical information. Traffic Management Plan- Document 14 25. Traffic Avoidance of the Wabash River- The application plan fails to address the need to avoid road traffic of hazardous materials in proximity to the Wabash River, a public water supply source. Proof of Insurance- Document 18 26. The Certificate of insurance is insufficient to meet the requirements set by the HFRA and should be denied on that basis. Failure to Specify Earthquake or Floodplain Hazard 27. Specification of Earthquake area or floodplain missing or inadequate- The Department’s form requires the applicant to identify whether the insured wellsite location is in a define earthquake area or a regulatory floodplain. The Application meets neither requirement. Topsoil Preservation Plan- Document 19 28. Topsoil Plan Inadequate- The Department’s form requires that the Topsoil Preservation Plan must be provided with “detail.” (“Please detail the plan to stockpile, stabilize . . . any topsoil and subsoil . . . ”). No information is provided as to the amount of soil (top or sub) that will be stockpiled. The level of negligible detail that IS provided, seems more like an effort to expend the least possible effort and expense in handling the soil by just spreading it around the site. Accordingly, it does not appear to be a “preservation” plan at all given this lack of detail. Water Quality Monitoring Plan 29. Inadequate Water Quality Monitoring Plan- The HFRA section governing Water Quality Monitoring is over six pages in length and is specific as to what is required in an approvable plan. The applicant plan is completely inadequate in addressing everything required for in the HFRA. For example, the applicant’s monitoring plan does not identify a single specific sampling point. Similarly the groundwater section is also generic. This is unacceptable and the application should be denied on this basis. 30. Data Analysis Procedure Plan Inadequate- The laboratory tests require an interpretation of the test results and for that purpose, the Applicant concludes its Water Quality Monitoring Plan with a section titled “Data Analysis Procedures.” The Section is completely generic and does not actually provide such analytic procedures, thus rendering the Application incomplete. Instead of supplying an actual data analysis plan, the Applicant merely states that “the method to be used under this plan is based on (emphasis added) U.S. EPA methodology established for the assessment of contaminants in environmental samples, and is described in Chapter 9 of U.S. EPA publication 846. We plan to use a data analysis plan based on that methodology.” Accordingly, no plan is proposed that can be evaluated during the public comment period and the Application is incomplete. There is no valid reason why such a plan cannot be presented for comment now. Without it, the application must be denied. 31. Water Quality Monitoring Work Plan is not “independent”- The "Water Quality Monitoring Work Plan" calls for an "independent third party" to collect and sample water to establish baseline measurements of water quality and quantity. The Water Quality Monitoring Work Plan also tasks an "independent third party" to collect and sample water for years into the future. The Water Quality Monitoring Work Plan application states Shawnee Professional Services will collect water samples to establish baseline measurements. The Water Quality Monitoring Work Plan application also states Shawnee Professional Services will collect water samples for years into the future. There can be no greater public interest than the monitoring of water quality & quantity. The public must depend on IDNR to protect its interests. Shawnee Professional Services has a conflict of interest. Mitch Garret owner of Shawnee Professional Services was a founder of a pro fracking group formed in Johnson County to fight the non - binding resolution "A Community Bill of Rights" in the spring of 2014. The pro fracking group felt so threatened by the non - binding "A Community Bill of Rights" resolution that one of its first acts was to "convince" The Vienna Times newspaper, three weeks prior to the vote, to refuse all anti fracking advertisement, articles and letters to the editor. To leave the ultimate "public interest" in the hands of a company owned by Mitch Garret is to not understand the meaning of independent
third party. Radioactive Materials Management- Document 25

32. Lack of Clarification on “Black Shale” subject to sampling- As stated in the previous comments under Document 11, the Wellsite Safety Plan, the phrase “black shale” is not defined in the regulations and the extent of sampling thereof is uncertain. Please confirm what geologic formations you consider to be in the “black shale” that will be tested pursuant to this requirement.

33. Need to Clarify If Filters Will Be Used and Tested for Radioactivity.- One of the most serious sources for radioactive contamination is from filters used at hydraulic fracturing sites and disposal sites. No mention is made of filters in the Application or of the specific type of equipment to be used on-site. The Applicant must state whether any filters will be utilized onsite and if so, how they will be managed.

34. Insufficient bond- The bond amount identified in the application is in the amount of $50,000 which is the amount for a single well, not a blanket bond. In the approximate center of the bond is a box captioned with: “ONLY COMPLETE IF BOND IS FOR INDIVIDUAL WELL OR PERMIT.” The information to be entered in this box for an individual well gives locational and identifying information for the well covered, but the Applicant fails to provide any of that information. The Applicant must either provide a new Bond with this information or provide an explanation for why the Bond is incomplete and does not identify the well addressed in the Application.

Sincerely,

Jennifer Pantelios
Dear Illinois Department of Natural Resources,

I am writing these comments in regards to the application from Woolsey Operating Company, LLC for a permit under the Hydraulic Fracturing Regulatory Act (HFRA), assigned to Review Number HVHHF-000001. The proposed well (Woodrow #1H-310408-193) in White County, Illinois would threaten public health and safety and the permit application contains a number of issues highlighted below.

The application is woefully lacking in data and information required by the Illinois legislature and Illinois DNR under the rules and regulations of the HFRA that are designed to protect public health and the environment, and so cannot be approved as submitted. For example, the permit application does not give the exact location of the two disposal wells. The locations should be given with GPS coordinates so that the public knows exactly where these wells are located.

From the information that is provided, a number of concerns arise, including but not limited to:

1. The application requests exceptionally large water withdrawals from groundwater resources that are very susceptible to depletion, and fails to include plans to recycle water or otherwise minimize water consumption.
2. The application significantly underestimates flowback volumes, and plans for inadequate containment facilities for even that amount of flowback and other chemicals/wastes that the application does estimate.
3. The application conceals information on hazardous fracking chemicals without attempting to demonstrate entitlement to trade secret protection.
4. The application includes inadequate insurance for the well, with insurance that excludes the very types of damages to private landowners' property that should be protected.
5. The operations as described in the application would fail to preserve topsoil, and the stormwater management plan is inadequate.
6. The application plans for deficient surface and groundwater sampling. Adequate sampling must be required to protect important water sources.

Thank you for your attention to my comments. Illinois DNR should reject the company's inadequate permit application that fails to protect our health and environment.

Sincerely,

Karen Papa

This message was sent by KnowWho, as a service provider only, on behalf of the individual noted in the sender information.
Dear Illinois Department of Natural Resources,

I am writing these comments in regards to the application from Woolsey Operating Company, LLC for a permit under the Hydraulic Fracturing Regulatory Act (HFRA), assigned to Review Number HVHHF-000001. The proposed well (Woodrow #1H-310408-193) in White County, Illinois would threaten public health and safety and the permit application contains a number of issues highlighted below.

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Thank you for your attention to my comments. Illinois DNR should reject the company's inadequate permit application that fails to protect our health and environment.

Sincerely,

Stacy Papangelis

This message was sent by KnowWho, as a service provider only, on behalf of the individual noted in the sender information.
TO: Illinois Department Of Natural Resources  
Attention: Oil and Gas Regulatory Staff  
One Natural Resources Way  
Springfield, IL 62702

TO WHOM IT MAY CONCERN

I would like the State of Illinois to REJECT the application by Woolsey Operating Company LLC’s for a high-volume horizontal hydraulic fracturing permit in Illinois for the following reasons: fracking has been shown to be responsible for the pollution of water resources, air pollution, noise pollution, increased earthquake danger (principally from waste disposal in injection wells), stresses to the infrastructure (particularly county roads), negative impacts on public safety and quality of life. Fracking has also been shown to create high levels of radioactive waste to which Woolley has not adequately addressed in its permit request.

Thank you for your attention in this important matter.

Sincerely,

Charles R Paprocki
Dear Illinois Department of Natural Resources,

I urge you to protect Illinois' natural resources and our public health and safety by denying Woolsey Operating Company LLC's well permit application (HVHHF Review #: 000001). Hundreds of studies have shown that the practice of hydraulic fracturing pollutes our air, water and soil with toxic, carcinogenic and radioactive materials.

Even without any severe accident (such as the Woolsey well explosion in Fairfield in 2014), we know through air sampling, water testing and infrared footage that fracked wells leak. The proposed well site is within one mile of at least 5 known oil wells, and Woolsey Oil Corporation has a plan to flare excess methane, exposing the area nearby to toxins.

Do not sacrifice the health of Illinoisans and our natural resources for a toxic industry. Please deny the Woolsey Operating Company fracked well permit.

Sincerely,

Ms. Beth Parentice
Jun 25, 2017

Illinois Department of Natural Resources

Dear Illinois Department of Natural Resources,

I urge you to protect Illinois' natural resources and our public health and safety by denying Woolsey Operating Company LLC's well permit application (HVHHF Review #: 000001).

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6. The application plans for deficient surface and groundwater sampling. Adequate sampling must be required to protect important water sources.
7. I am not in favor of fracking in general and far prefer clean green energy solutions. I would certainly NOT be in favor of fracking anywhere near any groundwater resources. That's just a no-brainer.

Thank you for your attention to my comments. Illinois DNR should reject the company's inadequate permit application that fails to protect our health and environment. Please, Gov. Rauner, care about Illinois and say NO to fracking.

Sincerely,

Mary Parisoe
This message was sent by KnowWho, as a service provider only, on behalf of the individual noted in the sender information.
Dear Illinois Department of Natural Resources,

I am writing these comments in regards to the application from Woolsey Operating Company, LLC for a permit under the Hydraulic Fracturing Regulatory Act (HFRA), assigned to Review Number HVHHF-000001. The proposed well (Woodrow #1H-310408-193) in White County, Illinois would threaten public health and safety and the permit application contains a number of issues highlighted below.

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Thank you for your attention to my comments. Illinois DNR should reject the company's inadequate permit application that fails to protect our health and environment.

Sincerely,

Corey Parker

This message was sent by KnowWho, as a service provider only, on behalf of the individual noted in the sender information.
Dear Illinois Department of Natural Resources,

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Sincerely,

Greg Parker

This message was sent by KnowWho, as a service provider only, on behalf of the individual noted in the sender information.
Dear Illinois Department of Natural Resources,

I urge you to protect Illinois' natural resources and our public health and safety by denying Woolsey Operating Company LLC's well permit application (HVHHF Review #: 000001).

Hundreds of studies have shown that the practice of hydraulic fracturing pollutes our air, water and soil with toxic, carcinogenic and radioactive materials.

Even without any severe accident (such as the Woolsey well explosion in Fairfield in 2014), we know through air sampling, water testing and infrared footage that fracked wells leak. The proposed well site is within one mile of at least 5 known oil wells, and Woolsey Oil Corporation has a plan to flare excess methane, exposing the area nearby to toxins.

Do not sacrifice the health of Illinoisans and our natural resources for a toxic industry. Please deny the Woolsey Operating Company fracked well permit.

Sincerely,

Mrs. Jeanne Parker
Dear Illinois Department of Natural Resources,

Just stop this madness. Isn't our environment, our very planet, f***ed up enough from human greed and abuse?

I am writing these comments in regards to the application from Woolsey Operating Company, LLC for a permit under the Hydraulic Fracturing Regulatory Act (HFRA), assigned to Review Number HVHHF-000001. The proposed well (Woodrow #1H-310408-193) in White County, Illinois would threaten public health and safety and the permit application contains a number of issues highlighted below.

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Sincerely,

Jud Parker
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Sincerely,

Ms. Libby Parker
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Sincerely,

Suzanne Parker

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Dear Illinois Department of Natural Resources,

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5. The operations as described in the application would fail to preserve topsoil, and the stormwater management plan is inadequate.
6. The application plans for deficient surface and groundwater sampling. Adequate sampling must be required to protect important water sources.

Thank you for your attention to my comments. Illinois DNR should reject the company's inadequate permit application that fails to protect our health and environment.

Sincerely,

Scott Parrish

This message was sent by KnowWho, as a service provider only, on behalf of the individual noted in the sender information.
Jun 16, 2017

Illinois Department of Natural Resources Illinois Department of Natural Resources IL

Dear Illinois Department of Natural Resources,

I urge you to protect Illinois' natural resources and our public health and safety by denying Woolsey Operating Company LLC's well permit application (HVHHF Review #: 000001).

Hundreds of studies have shown that the practice of hydraulic fracturing pollutes our air, water and soil with toxic, carcinogenic and radioactive materials.

Even without any severe accident (such as the Woolsey well explosion in Fairfield in 2014), we know through air sampling, water testing and infrared footage that fracked wells leak. The proposed well site is within one mile of at least 5 known oil wells, and Woolsey Oil Corporation has a plan to flare excess methane, exposing the area nearby to toxins.

Do not sacrifice the health of Illinoisans and our natural resources for a toxic industry. Please deny the Woolsey Operating Company fracked well permit.

Sincerely,

Ms. Cindy Parrone
Brown, Ronda

From: Marilyn Parsons <automail@knowwho.com> Sent You a Personal Message
Sent: Friday, June 23, 2017 2:43 PM
To: DNR.HFPublicComments
Subject: [External] Review Number HVHHF-000001

Dear Illinois Department of Natural Resources,

I am writing these comments in regards to the application from Woolsey Operating Company, LLC for a permit under the Hydraulic Fracturing Regulatory Act (HFRA), assigned to Review Number HVHHF-000001. The proposed well (Woodrow #1H-310408-193) in White County, Illinois would threaten public health and safety and the permit application contains a number of issues highlighted below.

The application is woefully lacking in data and information required by the Illinois legislature and Illinois DNR under the rules and regulations of the HFRA that are designed to protect public health and the environment, and so cannot be approved as submitted. For example, the permit application does not give the exact location of the two disposal wells. The locations should be given with GPS coordinates so that the public knows exactly where these wells are located.

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6. The application plans for deficient surface and groundwater sampling. Adequate sampling must be required to protect important water sources.

Thank you for your attention to my comments. Illinois DNR should reject the company's inadequate permit application that fails to protect our health and environment.

Sincerely,

Marilyn Parsons

This message was sent by KnowWho, as a service provider only, on behalf of the individual noted in the sender information.
Dear Illinois Department of Natural Resources,

I am writing these comments in regards to the application from Woolsey Operating Company, LLC for a permit under the Hydraulic Fracturing Regulatory Act (HFRA), assigned to Review Number HVHHF-000001. The proposed well (Woodrow #1H-310408-193) in White County, Illinois would threaten public health and safety and the permit application contains a number of issues highlighted below.

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Thank you for your attention to my comments. Illinois DNR should reject the company's inadequate permit application that fails to protect our health and environment.

Sincerely,

Robert Pashos

This message was sent by KnowWho, as a service provider only, on behalf of the individual noted in the sender information.
Dear Illinois Department of Natural Resources,

I am writing these comments in regards to the application from Woolsey Operating Company, LLC for a permit under the Hydraulic Fracturing Regulatory Act (HFRA), assigned to Review Number HVHHF-000001. The proposed well (Woodrow #1H-310408-193) in White County, Illinois would threaten public health and safety and the permit application contains a number of issues highlighted below.

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Thank you for your attention to my comments. Illinois DNR should reject the company’s inadequate permit application that fails to protect our health and environment.

Sincerely,

Nicholas Pasqual

This message was sent by KnowWho, as a service provider only, on behalf of the individual noted in the sender information.
Jun 18, 2017

Illinois Department of Natural Resources Illinois Department of Natural Resources IL

Dear Illinois Department of Natural Resources,

I urge you to protect Illinois' natural resources and our public health and safety by denying Woolsey Operating Company LLC's well permit application (HVHHF Review #: 000001).

Hundreds of studies have shown that the practice of hydraulic fracturing pollutes our air, water and soil with toxic, carcinogenic and radioactive materials.

Even without any severe accident (such as the Woolsey well explosion in Fairfield in 2014), we know through air sampling, water testing and infrared footage that fracked wells leak. The proposed well site is within one mile of at least 5 known oil wells, and Woolsey Oil Corporation has a plan to flare excess methane, exposing the area nearby to toxins.

Do not sacrifice the health of Illinoisans and our natural resources for a toxic industry. Please deny the Woolsey Operating Company fracked well permit.

Sincerely,

Mr. Gabriel Pastrana
Dear Sirs,

I have just seen that the Woolley Operating Co has applied for a high volume hydraulic fracturing permit. Due to Woosley's past performance of not adhering to regulations I feel this would be a very bad error for Illinois. Not only would it have environmental impact on the land surrounding the drilling site, it would adversely impact the area financially. Much of Southern Illinois depends on tourism. A much more positive impact for the area might be in the expanding wine trail in Illinois. This would attract more tourists rather than hydraulic fracturing which would keep people away from the area.

Besides economic impact, Illinois should look at other states like Pennsylvania that posted the "list of the harmed." Pennsylvania has related hydraulic fracturing to many illnesses directly caused by this time of mining.

Please do not give a drilling permit to the Woolley Operating Company for these reasons.

Thank you for your consideration.

Dean Paulus

Sent from my iPad
From Jill Paulus/ Frack Free Illinois

To Whom it may Concern,

Natural gas is not what it has been historically in terms of composition, due to the nature of deep Extraction, inclusive of the chemicals used, the sand used, and the dangerous radioactive elements brought up to the surface.

Neither are the pump systems what the Southern Illinois people used to see. People are more aware now than in 2013, of daily Oklahoma earthquakes, the Pennsylvania list of the Harmed, and the water pollution as in places like Dimock, PA and in the Colorado River.

The great harm to long term commerce is not a secret, when even Illinois legislators have referred to the Boom of Fracking, as was the phrase heard in Congress in Springfield in 2013. A Boom is always followed by a bust. I myself have seen the former Mining towns. People who live in a single economic, "job", basket, never come out ahead.

Let us promote tourism, wine and small farms. Let us build medical facilities and schools. Let us build solar and wind and geothermal. Let us join the new century.

Thank you, Jill Paulus

Sent from my iPad
Jun 17, 2017

Illinois Department of Natural Resources Illinois Department of Natural Resources IL

Dear Illinois Department of Natural Resources,

I urge you to protect Illinois' natural resources and our public health and safety by denying Woolsey Operating Company LLC's well permit application (HVHHF Review #: 000001).

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Even without any severe accident (such as the Woolsey well explosion in Fairfield in 2014), we know through air sampling, water testing and infrared footage that fracked wells leak. The proposed well site is within one mile of at least 5 known oil wells, and Woolsey Oil Corporation has a plan to flare excess methane, exposing the area nearby to toxins.

Do not sacrifice the health of Illinoisans and our natural resources for a toxic industry. Please deny the Woolsey Operating Company fracked well permit.

Sincerely,

Mrs. Jill Paulus
Oil & Gas Regulatory Staff,

I urge you to protect Illinois' natural resources and our public health and safety by denying Woolsey Operating Company LLC's well permit application (HVHHF Review #: 000001).

Hundreds of studies have shown that the practice of hydraulic fracturing pollutes our air, water and soil with toxic, carcinogenic and radioactive materials.

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Do not sacrifice the health of Illinoisans and our natural resources for a toxic industry. Please deny the Woolsey Operating Company fracked well permit.

Jill Paulus
Woolsey has not been a good company in terms of their 2014 explosion, and now this new application is not adequate. Concerns of inadequate insurance, and failure to protect topsoil, and inadequate pre-sampling of surface and groundwater indicate that this company is not prepared to protect the environment. This is just the basis for bad management of a practice that is historically harmful, i.e. The List of the Harmed, PA; Dimock water crisis which is ongoing, PA; spillage into rivers, especially in CO; frack water on crops, CA; and last and most concerning to me, earthquakes in Oklahoma. What contingencies and responsibilities are spelled out for subsequent earthquakes in Wabash and New Madrid zones?

None. The permit should not be allowed on this basis, but moreover, the general vague and even misleading use of Illinois water is the greatest reason to avoid hydro fracking. The inadequate evidence of establishing the lowest potential fresh water means Woolsey could contaminate fresh water in drilling, beyond the "normal" use of chemicals which are not clarified by Woolsey. With no Geological Survey submitted by Woolsey, which is required in section 245.210(a)(5), we do not know fresh water contamination will not occur.

Even the area of fracking, identified as the Confining Zone in section 245.210(a)(6) is not met by Woolsey. The term is not used in their application. In fact, Woolsey uses alternate and conflicting terms to describe the area to be drilled: New Albany Shale, Grassy Creek shale, reservoir zone and Semier shale as the fracked barrier. All in all the application is wrought with confusing, missing and inadequate data, and from a company with previous safety issues.

Illinois cannot afford this precedent to establishing a water-wasting industry. Finally, the above statement is evidenced by the fact that the applicant, Woolsey, has not completed the Bond application sufficiently. This is an industry which will abuse farmers, the nascent wine industry and tourism because of negligence with regard to safety and water and general environmental concern. The application is deficient.

Jill Paulus
Jun 18, 2017

Illinois Department of Natural Resources Illinois Department of Natural Resources IL

Dear Illinois Department of Natural Resources,

I urge you to protect Illinois’ natural resources and our public health and safety by denying Woolsey Operating Company LLC’s well permit application (HVHHF Review #: 000001).

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Do not sacrifice the health of Illinoisans and our natural resources for a toxic industry. Please deny the Woolsey Operating Company fracked well permit.

Sincerely,

Mr. Kevin Paulus
Dear Illinois Department of Natural Resources,

I am writing these comments in regards to the application from Woolsey Operating Company, LLC for a permit under the Hydraulic Fracturing Regulatory Act (HFRA), assigned to Review Number HVHFF-000001. The proposed well (Woodrow #1H-310408-193) in White County, Illinois would threaten public health and safety and the permit application contains a number of issues highlighted below.

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Thank you for your attention to my comments. Illinois DNR should reject the company's inadequate permit application that fails to protect our health and environment.

Sincerely,

Jill Paulus

This message was sent by KnowWho, as a service provider only, on behalf of the individual noted in the sender information.
I reject the state giving a high volume fracturing permit to anyone, especially to Woolsey, a company which has proven untrustworthy. In 2014 their explosion involved hydrochloric acid, potassium chloride, nitrogen and in the process of drilling, 47,512 pounds of silica sand. Considering that the silica sand travels, most likely from the Utica area, to the drill site in southern IL many folks are exposed to that cancer-causing substance. From worker, to persons living near sand mines, to those along the route, an industrial contaminant will be more and more spread as the industry grows. As has been proven in N. Dakota, the money made is dependent on more and more drilling, as investments are the true source of profit, not the product, which is won at high cost.

I had been able to attend the Chicago hearing, years ago, as I believe, 5 hearings were scheduled per public demand. It seems this sole hearing, one day after a holiday will be less attended. It is unfortunate. The health of Illinois, economic as well as the physical health of workers and residents will suffer. First, this is a boom and bust industry which destroys the possibility of tourism, small farms, wine growers who are just gaining a foothold, and others who are providers of stable sources of income with a future. Second, the cost to our medical will be high as those with higher exposure and subsequent health risks are probably in lower income situations. The state will be at risk of paying health care. All in all, we know the state and its people stand to lose while private industrialists gain and then walk away. This scenario has played out in Pennsylvania as evidenced by The List of the Harmed. It has played out in Oklahoma where people don't bother to fix the cracks in foundations of their homes because they know the earthquakes don't end. It has played out in poisoned water from Pennsylvania to Colorado to California, where they use fracked water on our crops. Please don't repeat this in Illinois with an industry which produces largely for export at terminals far from the source.

Thank you for your consideration,
Jill Paulus
From: Carol Pawlak
Sent: Friday, June 23, 2017 4:10 PM
To: DNR.HFPublicComments
Subject: [External] Review Number HVHHF-000001

Dear Illinois Department of Natural Resources,

I am writing these comments in regards to the application from Woolsey Operating Company, LLC for a permit under the Hydraulic Fracturing Regulatory Act (HFRA), assigned to Review Number HVHHF-000001. The proposed well (Woodrow #1H-310408-193) in White County, Illinois would threaten public health and safety and the permit application contains a number of issues highlighted below.

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6. The application plans for deficient surface and groundwater sampling. Adequate sampling must be required to protect important water sources.

Thank you for your attention to my comments. Illinois DNR should reject the company's inadequate permit application that fails to protect our health and environment.

Sincerely,

Carol Pawlak

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Dear Illinois Department of Natural Resources,

I urge you to protect Illinois’ natural resources and our public health and safety by denying Woolsey Operating Company LLC’s well permit application (HVHHF Review #: 000001).

Hundreds of studies have shown that the practice of hydraulic fracturing pollutes our air, water and soil with toxic, carcinogenic and radioactive materials.

Even without any severe accident (such as the Woolsey well explosion in Fairfield in 2014), we know through air sampling, water testing and infrared footage that fracked wells leak. The proposed well site is within one mile of at least 5 known oil wells, and Woolsey Oil Corporation has a plan to flare excess methane, exposing the area nearby to toxins.

Do not sacrifice the health of Illinoisans and our natural resources for a toxic industry. Please deny the Woolsey Operating Company fracked well permit.

Sincerely,

Mrs. Lara Pawlak
Dear Illinois Department of Natural Resources,

I am writing these comments in regards to the application from Woolsey Operating Company, LLC for a permit under the Hydraulic Fracturing Regulatory Act (HFRA), assigned to Review Number HVHHF-000001. The proposed well (Woodrow #1H-310408-193) in White County, Illinois would threaten public health and safety and the permit application contains a number of issues highlighted below.

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Thank you for your attention to my comments. Illinois DNR should reject the company's inadequate permit application that fails to protect our health and environment.

Sincerely,

Bernadette Payne

This message was sent by KnowWho, as a service provider only, on behalf of the individual noted in the sender information.
Dear Illinois Department of Natural Resources,

I am writing these comments in regards to the application from Woolsey Operating Company, LLC for a permit under the Hydraulic Fracturing Regulatory Act (HFRA), assigned to Review Number HVHHF-000001. The proposed well (Woodrow #1H-310408-193) in White County, Illinois would threaten public health and safety and the permit application contains a number of issues highlighted below.

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Thank you for your attention to my comments. Illinois DNR should reject the company's inadequate permit application that fails to protect our health and environment.

Sincerely,

Meredith Payne

This message was sent by KnowWho, as a service provider only, on behalf of the individual noted in the sender information.
Dear Illinois Department of Natural Resources,

I urge you to protect Illinois’ natural resources and our public health and safety by denying Woolsey Operating Company LLC’s well permit application (HVHHF Review #: 000001).

Hundreds of studies have shown that the practice of hydraulic fracturing pollutes our air, water and soil with toxic, carcinogenic and radioactive materials.

Even without any severe accident (such as the Woolsey well explosion in Fairfield in 2014), we know through air sampling, water testing and infrared footage that fracked wells leak. The proposed well site is within one mile of at least 5 known oil wells, and Woolsey Oil Corporation has a plan to flare excess methane, exposing the area nearby to toxins.

Do not sacrifice the health of Illinoisans and our natural resources for a toxic industry. Please deny the Woolsey Operating Company fracked well permit.

Sincerely,

Mr. Spencer Pease
Brown, Ronda

From: Tracy Pease <automail@knowwho.com>  Sent You a Personal Message <automail@knowwho.com>
Sent: Friday, June 23, 2017 4:06 PM
To: DNR.HFPublicComments
Subject: [External] Review Number HVHHF-000001

Dear Illinois Department of Natural Resources,

I am writing these comments in regards to the application from Woolsey Operating Company, LLC for a permit under the Hydraulic Fracturing Regulatory Act (HFRA), assigned to Review Number HVHHF-000001. The proposed well (Woodrow #1H-310408-193) in White County, Illinois would threaten public health and safety and the permit application contains a number of issues highlighted below.

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Thank you for your attention to my comments. Illinois DNR should reject the company's inadequate permit application that fails to protect our health and environment.

Sincerely,

Tracy Pease

This message was sent by KnowWho, as a service provider only, on behalf of the individual noted in the sender information.
Dear Illinois Department of Natural Resources,

I am writing these comments in regards to the application from Woolsey Operating Company, LLC for a permit under the Hydraulic Fracturing Regulatory Act (HFRA), assigned to Review Number HVHHF-000001. The proposed well (Woodrow #1H-310408-193) in White County, Illinois would threaten public health and safety and the permit application contains a number of issues highlighted below.

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Sincerely,

Marlene Peaslee

This message was sent by KnowWho, as a service provider only, on behalf of the individual noted in the sender information.
Dear Illinois Department of Natural Resources,

I am writing these comments in regards to the application from Woolsey Operating Company, LLC for a permit under the Hydraulic Fracturing Regulatory Act (HFRA), assigned to Review Number HVHHF-000001. The proposed well (Woodrow #1H-310408-193) in White County, Illinois would threaten public health and safety and the permit application contains a number of issues highlighted below.

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Thank you for your attention to my comments. Illinois DNR should reject the company's inadequate permit application that fails to protect our health and environment.

Sincerely,

Lisa von Pechmann
Dear Illinois Department of Natural Resources,

I am writing these comments in regards to the application from Woolsey Operating Company, LLC for a permit under the Hydraulic Fracturing Regulatory Act (HFRA), assigned to Review Number HVHHF-000001. The proposed well (Woodrow #1H-310408-193) in White County, Illinois would threaten public health and safety and the permit application contains a number of issues highlighted below.

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5. The operations as described in the application would fail to preserve topsoil, and the stormwater management plan is inadequate.
6. The application plans for deficient surface and groundwater sampling. Adequate sampling must be required to protect important water sources.

Plus we have a number of nuclear plants inluding one on an earthquake fault line, so if fracking were to destabilize area and possibly create a catastrophe and kill millions.

Thank you for your attention to my comments. Illinois DNR should reject the company's inadequate permit application that fails to protect our health and environment.

Sincerely,

Maria Carmen Pedroza
This message was sent by KnowWho, as a service provider only, on behalf of the individual noted in the sender information.
Dear Illinois Department of Natural Resources,

I am writing these comments in regards to the application from Woolsey Operating Company, LLC for a permit under the Hydraulic Fracturing Regulatory Act (HFRA), assigned to Review Number HVHHF-000001. The proposed well (Woodrow #1H-310408-193) in White County, Illinois would threaten public health and safety and the permit application contains a number of issues highlighted below.

The application is woefully lacking in data and information required by the Illinois legislature and Illinois DNR under the rules and regulations of the HFRA that are designed to protect public health and the environment, and so cannot be approved as submitted. For example, the permit application does not give the exact location of the two disposal wells. The locations should be given with GPS coordinates so that the public knows exactly where these wells are located.

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Thank you for your attention to my comments. Illinois DNR should reject the company's inadequate permit application that fails to protect our health and environment.

Sincerely,

John Peeters

This message was sent by KnowWho, as a service provider only, on behalf of the individual noted in the sender information.
Dear Illinois Department of Natural Resources,

I urge you to protect Illinois' natural resources and our public health and safety by denying Woolsey Operating Company LLC's well permit application (HVHHF Review #: 000001).

Hundreds of studies have shown that the practice of hydraulic fracturing pollutes our air, water and soil with toxic, carcinogenic and radioactive materials.

Even without any severe accident (such as the Woolsey well explosion in Fairfield in 2014), we know through air sampling, water testing and infrared footage that fracked wells leak. The proposed well site is within one mile of at least 5 known oil wells, and Woolsey Oil Corporation has a plan to flare excess methane, exposing the area nearby to toxins.

Do not sacrifice the health of Illinoisans and our natural resources for a toxic industry. Please deny the Woolsey Operating Company fracked well permit.

Sincerely,

Mrs. Christine Pehas
Dear Illinois Department of Natural Resources,

I urge you to protect Illinois’ natural resources and our public health and safety by denying Woolsey Operating Company LLC’s well permit application (HVHHF Review #: 000001).

Hundreds of studies have shown that the practice of hydraulic fracturing pollutes our air, water and soil with toxic, carcinogenic and radioactive materials.

Even without any severe accident (such as the Woolsey well explosion in Fairfield in 2014), we know through air sampling, water testing and infrared footage that fracked wells leak. The proposed well site is within one mile of at least 5 known oil wells, and Woolsey Oil Corporation has a plan to flare excess methane, exposing the area nearby to toxins.

Do not sacrifice the health of Illinoisans and our natural resources for a toxic industry. Please deny the Woolsey Operating Company fracked well permit.

Sincerely,

Ms. Judi Peman

Jun 16, 2017

Illinois Department of Natural Resources Illinois Department of Natural Resources IL
Dear Illinois Department of Natural Resources,

I am writing these comments in regards to the application from Woolsey Operating Company, LLC for a permit under the Hydraulic Fracturing Regulatory Act (HFRA), assigned to Review Number HVHHF-000001. The proposed well (Woodrow #1H-310408-193) in White County, Illinois would threaten public health and safety and the permit application contains a number of issues highlighted below.

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Thank you for your attention to my comments. Illinois DNR should reject the company's inadequate permit application that fails to protect our health and environment.

Sincerely,

Angela Pennisi

This message was sent by KnowWho, as a service provider only, on behalf of the individual noted in the sender information.
Jun 16, 2017

Illinois Department of Natural Resources Illinois Department of Natural Resources IL

Dear Illinois Department of Natural Resources,

I urge you to protect Illinois’ natural resources and our public health and safety by denying Woolsey Operating Company LLC’s well permit application (HVHHF Review #: 000001).

Hundreds of studies have shown that the practice of hydraulic fracturing pollutes our air, water and soil with toxic, carcinogenic and radioactive materials.

Even without any severe accident (such as the Woolsey well explosion in Fairfield in 2014), we know through air sampling, water testing and infrared footage that fracked wells leak. The proposed well site is within one mile of at least 5 known oil wells, and Woolsey Oil Corporation has a plan to flare excess methane, exposing the area nearby to toxins. In Bainbridge Ohio fracking caused a fire which destroyed several blocks, including the police station; in Youngstown Ohio numerous earthquakes have been attributable to fracking; throughout the country well water has been poisoned by fracking chemical, and farm animals have died.
we must move toward safer, sustainable energy now. Deny this well permit. Think of our grandchildren.

Do not sacrifice the health of Illinoisans and our natural resources for a toxic industry. Please deny the Woolsey Operating Company fracked well permit.

Sincerely,

Ms. Suzanne Pentek
Dear Illinois Department of Natural Resources,

I urge you to protect Illinois' natural resources and our public health and safety by denying Woolsey Operating Company LLC’s well permit application (HVHHF Review #: 000001).

Hundreds of studies have shown that the practice of hydraulic fracturing pollutes our air, water and soil with toxic, carcinogenic and radioactive materials.

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Sincerely,

Ms. Barbara Penzato
Dear Illinois Department of Natural Resources,

I am writing these comments in regards to the application from Woolsey Operating Company, LLC for a permit under the Hydraulic Fracturing Regulatory Act (HFRA), assigned to Review Number HVHF-000001. The proposed well (Woodrow #1H-310408-193) in White County, Illinois would threaten public health and safety and the permit application contains a number of issues highlighted below.

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Thank you for your attention to my comments. Illinois DNR should reject the company's inadequate permit application that fails to protect our health and environment.

Sincerely,

Christian Pepera
This message was sent by KnowWho, as a service provider only, on behalf of the individual noted in the sender information.
Brown, Ronda

From: Food & Water Watch <act@fwwatch.org> on behalf of Ellen Pepich <act@fwwatch.org>
Sent: Friday, June 16, 2017 6:12 PM
To: DNR.HFPublicComments
Subject: [External] Public Comment regarding HVHHF Review #:000001

Jun 16, 2017

Illinois Department of Natural Resources Illinois Department of Natural Resources IL

Dear Illinois Department of Natural Resources,

I urge you to protect Illinois’ natural resources and our public health and safety by denying Woolsey Operating Company LLC’s well permit application (HVHHF Review #: 000001).

Hundreds of studies have shown that the practice of hydraulic fracturing pollutes our air, water and soil with toxic, carcinogenic and radioactive materials.

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Do not sacrifice the health of Illinoisans and our natural resources for a toxic industry. Please deny the Woolsey Operating Company fracked well permit.

Sincerely,

Ms. Ellen Pepich
Dear Illinois Department of Natural Resources,

I urge you to protect Illinois' natural resources and our public health and safety by denying Woolsey Operating Company LLC's well permit application (HVHHF Review #: 000001).

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Do not sacrifice the health of Illinoisans and our natural resources for a toxic industry. Please deny the Woolsey Operating Company fracked well permit.

Sincerely,

Ms. Ellen Pepich
Oil & Gas Regulatory Staff,

I am concerned about the future of water quality in Illinois. It is something that my family has been able to take for granted for as long as I can remember.

I urge you to protect Illinois' natural resources and our public health and safety by denying Woolsey Operating Company LLC's well permit application (HVHFF Review #: 000001).

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Ian Percel
Oil & Gas Regulatory Staff,

I urge you to protect Illinois' natural resources and our public health and safety by denying Woolsey Operating Company LLC's well permit application (HVHFF Review #: 000001).

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Bettina Perillo
Jun 16, 2017

Illinois Department of Natural Resources Illinois Department of Natural Resources IL

Dear Illinois Department of Natural Resources,

I urge you to protect Illinois' natural resources and our public health and safety by denying Woolsey Operating Company LLC's well permit application (HVHHF Review #: 000001).

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Please do not allow any fracking in Illinois!

Do not sacrifice the health of Illinoisans and our natural resources for a toxic industry. Please deny the Woolsey Operating Company fracked well permit.

Sincerely,

Dr. Cheryl Pero
Dear Illinois Department of Natural Resources,

I am writing these comments in regards to the application from Woolsey Operating Company, LLC for a permit under the Hydraulic Fracturing Regulatory Act (HFRA), assigned to Review Number HVHHF-000001. The proposed well (Woodrow #1H-310408-193) in White County, Illinois would threaten public health and safety and the permit application contains a number of issues highlighted below.

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Thank you for your attention to my comments. Illinois DNR should reject the company's inadequate permit application that fails to protect our health and environment.

Sincerely,

Jody Perrecone

This message was sent by KnowWho, as a service provider only, on behalf of the individual noted in the sender information.
To Whom it May Concern:
I am a constituent of Illinois and I highly oppose fracking of any kind in my state. We all know the serious polluting it creates in aquifers, not to mention the seismic disturbances in the ground. ANY thoughts of this creating any much needed funds for Illinois are short-sighted in that fracking has been proven to destroy the health and wellbeing of landowners and also the infrastructure of roads, etc. Life is not possible without clean water, and there very well could be lawsuits brought upon the state if they proceed to destroy the livelihood and health of its constituents.

We have plenty of evidence that fracking is a destructive practice not to be cultivated. Illinois can do much better with its resources. I would be particularly outraged if any fracking would take place near the Shawnee National Forest, as fracking has been sited by the U.S.Geological Survey as having destroyed Pennsylvania forests permanently. http://www.naturalgaswatch.org/?p=1565

Yours truly,
B.A. Perry
Jun 20, 2017

Illinois Department of Natural Resources Illinois Department of Natural Resources IL

Dear Illinois Department of Natural Resources,

I urge you to protect Illinois' natural resources and our public health and safety by denying Woolsey Operating Company LLC's well permit application (HVHHF Review #: 000001).

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Sincerely,

Ms. Lenora Perry
Dear Illinois Department of Natural Resources,

I am writing these comments in regards to the application from Woolsey Operating Company, LLC for a permit under the Hydraulic Fracturing Regulatory Act (HFRA), assigned to Review Number HVHHF-000001. The proposed well (Woodrow #1H-310408-193) in White County, Illinois would threaten public health and safety and the permit application contains a number of issues highlighted below.

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Thank you for your attention to my comments. Illinois DNR should reject the company's inadequate permit application that fails to protect our health and environment.

Sincerely,

Rhonda Perry

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Dear Illinois Department of Natural Resources,

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Sincerely,

Anita Perteete
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Dear Illinois Department of Natural Resources,

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Thank you for your attention to my comments. Illinois DNR should reject the company's inadequate permit application that fails to protect our health and environment.

Sincerely,

Russell Pesko

This message was sent by KnowWho, as a service provider only, on behalf of the individual noted in the sender information.
Brown, Ronda

From: Food & Water Watch <act@fwwatch.org> on behalf of Charles Peterson <act@fwwatch.org>
Sent: Friday, June 16, 2017 5:41 PM
To: DNR.HFPublicComments
Subject: [External] Public Comment regarding HVHHF Review #:000001

Jun 16, 2017

Illinois Department of Natural Resources Illinois Department of Natural Resources IL

Dear Illinois Department of Natural Resources,

I urge you to protect Illinois' natural resources and our public health and safety by denying Woolsey Operating Company LLC's well permit application (HVHHF Review #: 000001).

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Do not sacrifice the health of Illinoisans and our natural resources for a toxic industry. Please deny the Woolsey Operating Company fracked well permit.

Sincerely,

Mr. Charles Peterson
Dear Illinois Department of Natural Resources,

I am writing these comments in regards to the application from Woolsey Operating Company, LLC for a permit under the Hydraulic Fracturing Regulatory Act (HFRA), assigned to Review Number HVHHF-000001. The proposed well (Woodrow #1H-310408-193) in White County, Illinois would threaten public health and safety and the permit application contains a number of issues highlighted below.

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Thank you for your attention to my comments. Illinois DNR should reject the company's inadequate permit application that fails to protect our health and environment.

Sincerely,

Karen Peterson

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Dear Illinois Department of Natural Resources,

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Thank you for your attention to my comments. Illinois DNR should reject the company's inadequate permit application that fails to protect our health and environment.

Sincerely,

Lydie Mae Peterson
This message was sent by KnowWho, as a service provider only, on behalf of the individual noted in the sender information.
Dear Illinois Department of Natural Resources,

I urge you to protect Illinois' natural resources and our public health and safety by denying Woolsey Operating Company LLC's well permit application (HVHHF Review #: 000001).

Hundreds of studies have shown that the practice of hydraulic fracturing pollutes our air, water and soil with toxic, carcinogenic and radioactive materials.

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Sincerely,

Mr. Neal Peterson
Dear Illinois Department of Natural Resources,

I am writing these comments in regards to the application from Woolsey Operating Company, LLC for a permit under the Hydraulic Fracturing Regulatory Act (HFRA), assigned to Review Number HVHHF-000001. The proposed well (Woodrow #1H-310408-193) in White County, Illinois would threaten public health and safety and the permit application contains a number of issues highlighted below.

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Thank you for your attention to my comments. Illinois DNR should reject the company's inadequate permit application that fails to protect our health and environment.

Sincerely,

Neal Peterson

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Dear Illinois Department of Natural Resources,

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5. The operations as described in the application would fail to preserve topsoil, and the stormwater management plan is inadequate.
6. The application plans for deficient surface and groundwater sampling. Adequate sampling must be required to protect important water sources.

Thank you for your attention to my comments. Illinois DNR should reject the company's inadequate permit application that fails to protect our health and environment.

Sincerely,

Richard Peterson

This message was sent by KnowWho, as a service provider only, on behalf of the individual noted in the sender information.
Jun 16, 2017

Illinois Department of Natural Resources Illinois Department of Natural Resources IL

Dear Illinois Department of Natural Resources,

I urge you to protect Illinois' natural resources and our public health and safety by denying Woolsey Operating Company LLC's well permit application (HVHHF Review #: 000001).

Hundreds of studies have shown that the practice of hydraulic fracturing pollutes our air, water and soil with toxic, carcinogenic and radioactive materials.

Even without any severe accident (such as the Woolsey well explosion in Fairfield in 2014), we know through air sampling, water testing and infrared footage that fracked wells leak. The proposed well site is within one mile of at least 5 known oil wells, and Woolsey Oil Corporation has a plan to flare excess methane, exposing the area nearby to toxins.

Do not sacrifice the health of Illinoisans and our natural resources for a toxic industry. Please deny the Woolsey Operating Company fracked well permit.

Sincerely,

Mr. Brent Petit
Dear Illinois Department of Natural Resources,

I urge you to protect Illinois' natural resources and our public health and safety by denying Woolsey Operating Company LLC's well permit application (HVHHF Review #: 000001).

Hundreds of studies have shown that the practice of hydraulic fracturing pollutes our air, water and soil with toxic, carcinogenic and radioactive materials.

Even without any severe accident (such as the Woolsey well explosion in Fairfield in 2014), we know through air sampling, water testing and infrared footage that fracked wells leak. The proposed well site is within one mile of at least 5 known oil wells, and Woolsey Oil Corporation has a plan to flare excess methane, exposing the area nearby to toxins.

Do not sacrifice the health of Illinoisans and our natural resources for a toxic industry. Please deny the Woolsey Operating Company fracked well permit.

Sincerely,

Miss Emma Petit
Dear Illinois Department of Natural Resources,

I urge you to protect Illinois' natural resources and our public health and safety by denying Woolsey Operating Company LLC's well permit application (HVHHF Review #: 000001).

Hundreds of studies have shown that the practice of hydraulic fracturing pollutes our air, water and soil with toxic, carcinogenic and radioactive materials.

Even without any severe accident (such as the Woolsey well explosion in Fairfield in 2014), we know through air sampling, water testing and infrared footage that fracked wells leak. The proposed well site is within one mile of at least 5 known oil wells, and Woolsey Oil Corporation has a plan to flare excess methane, exposing the area nearby to toxins.

Do not sacrifice the health of Illinoisans and our natural resources for a toxic industry. Please deny the Woolsey Operating Company fracked well permit.

Sincerely,

Ms. Kara Petit
Dear Illinois Department of Natural Resources,

I am writing these comments in regards to the application from Woolsey Operating Company, LLC for a permit under the Hydraulic Fracturing Regulatory Act (HFRA), assigned to Review Number HVHHF-000001. The proposed well (Woodrow #1H-310408-193) in White County, Illinois would threaten public health and safety and the permit application contains a number of issues highlighted below.

The application is woefully lacking in data and information required by the Illinois legislature and Illinois DNR under the rules and regulations of the HFRA that are designed to protect public health and the environment, and so cannot be approved as submitted. For example, the permit application does not give the exact location of the two disposal wells. The locations should be given with GPS coordinates so that the public knows exactly where these wells are located.

From the information that is provided, a number of concerns arise, including but not limited to:

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6. The application plans for deficient surface and groundwater sampling. Adequate sampling must be required to protect important water sources.

Thank you for your attention to my comments. Illinois DNR should reject the company's inadequate permit application that fails to protect our health and environment.

Sincerely,

Josephine Petralia

This message was sent by KnowWho, as a service provider only, on behalf of the individual noted in the sender information.
Dear Illinois Department of Natural Resources,

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Sincerely,

Rob Petras

This message was sent by KnowWho, as a service provider only, on behalf of the individual noted in the sender information.
Dear Illinois Department of Natural Resources,

Sometimes I do not understand why there is not agreement from all parties at the onset. We are still suffering from BP's catastrophe as a mismanaged, poorly regulated company whose only concern is making the most money possible. You ask yourself, "Well isn't that the purpose of owning a company?" Well that is where there are some divisions in perspective. I believe a company should make money and serve a role to the community. If it's harming the company, then it should lose the right to earn the money of a community. PERIOD. In the case of the BP oil spill, why more of the executives are not behind bars, I do not know. So at the very least, LET'S LEARN FROM OUR MISTAKES!!!!!!!!!!!!!!!

Please see these links with lessons that can help those who are only focused on the financial gains of fracking and adding a pipeline to see that yes, the potential economic disaster outweighs the benefits (by a LOT).


http://www.npr.org/2015/04/20/400374744/5-years-after-bp-oil-spill-effects-linger-and-recovery-is-slow

This pipeline needs to be stopped!

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Thank you for your attention to my comments. Illinois DNR should reject the company's inadequate permit application that fails to protect our health and environment.

Sincerely,

Nicole Petrich

This message was sent by KnowWho, as a service provider only, on behalf of the individual noted in the sender information.
Dear Illinois Department of Natural Resources,

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Thank you for your attention to my comments. Illinois DNR should reject the company's inadequate permit application that fails to protect our health and environment.

Sincerely,

Olivia Petrides
Dear Illinois Department of Natural Resources,

I am writing these comments in regards to the application from Woolsey Operating Company, LLC for a permit under the Hydraulic Fracturing Regulatory Act (HFRA), assigned to Review Number HVHHF-000001. The proposed well (Woodrow #1H-310408-193) in White County, Illinois would threaten public health and safety and the permit application contains a number of issues highlighted below.

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Thank you for your attention to my comments. Illinois DNR should reject the company's inadequate permit application that fails to protect our health and environment.

Sincerely,

Charles Petrof

This message was sent by KnowWho, as a service provider only, on behalf of the individual noted in the sender information.
Oil & Gas Regulatory Staff,

I urge you to protect Illinois' natural resources and our public health and safety by denying Woolsey Operating Company LLC's well permit application (HVHHF Review #: 000001).

Hundreds of studies have shown that the practice of hydraulic fracturing pollutes our air, water and soil with toxic, carcinogenic and radioactive materials.

Even without any severe accident (such as the Woolsey well explosion in Fairfield in 2014), we know through air sampling, water testing and infrared footage that fracked wells leak. The proposed well site is within one mile of at least 5 known oil wells, and Woolsey Oil Corporation has a plan to flare excess methane, exposing the area nearby to toxins.

Do not sacrifice the health of Illinoisans and our natural resources for a toxic industry. Please deny the Woolsey Operating Company fracked well permit.

Charles Petrof
Oil & Gas Regulatory Staff,

I am writing to ask you to deny this permit. Our water must be kept clean, we must reduce the use of fossil fuels, and we must invest in alternative energy. This permit is a step backwards.

I urge you to protect Illinois’ natural resources and our public health and safety by denying Woolsey Operating Company LLC’s well permit application (HVHHF Review #: 000001).

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James Pfluecke
I urge you to protect Illinois' natural resources and our public health and safety by denying Woolsey Operating Company LLC's well permit application (HVHHF Review #: 000001).

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Do not sacrifice the health of Illinoisans and our natural resources for a toxic industry. Please deny the Woolsey Operating Company fracked well permit.

Sincerely,

Ms. Linda Phan
Dear Illinois Department of Natural Resources,

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Thank you for your attention to my comments. Illinois DNR should reject the company's inadequate permit application that fails to protect our health and environment.

Sincerely,

Amy Phillips

This message was sent by KnowWho, as a service provider only, on behalf of the individual noted in the sender information.
Jul 23, 2017

Illinois Department of Natural Resources

Dear Illinois Department of Natural Resources,

I urge you to protect Illinois' natural resources and our public health and safety by denying Woolsey Operating Company LLC's well permit application (HVHHF Review #: 000001).

Hundreds of studies have shown that the practice of hydraulic fracturing pollutes our air, water and soil with toxic, carcinogenic and radioactive materials.

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Do not sacrifice the health of Illinoisans and our natural resources for a toxic industry. Please deny the Woolsey Operating Company fracked well permit.

Sincerely,

Ms. Joan Phillips
Dear Illinois Department of Natural Resources,

I am writing these comments in regards to the application from Woolsey Operating Company, LLC for a permit under the Hydraulic Fracturing Regulatory Act (HFRA), assigned to Review Number HVHHF-000001. The proposed well (Woodrow #1H-310408-193) in White County, Illinois would threaten public health and safety and the permit application contains a number of issues highlighted below.

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Thank you for your attention to my comments. Illinois DNR should reject the company's inadequate permit application that fails to protect our health and environment.

Sincerely,

Joan Phillips

This message was sent by KnowWho, as a service provider only, on behalf of the individual noted in the sender information.
Dear Illinois Department of Natural Resources,

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Thank you for your attention to my comments. Illinois DNR should reject the company's inadequate permit application that fails to protect our health and environment.

Sincerely,

Steven Pickett

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Dear Illinois Department of Natural Resources,

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Thank you for your attention to my comments. Illinois DNR should reject the company's inadequate permit application that fails to protect our health and environment.

Sincerely,

Clara Piecuch

This message was sent by KnowWho, as a service provider only, on behalf of the individual noted in the sender information.
Jun 17, 2017

Illinois Department of Natural Resources Illinois Department of Natural Resources IL

Dear Illinois Department of Natural Resources,

I urge you to protect Illinois' natural resources and our public health and safety by denying Woolsey Operating Company LLC's well permit application (HVHHF Review #: 000001).

Hundreds of studies have shown that the practice of hydraulic fracturing pollutes our air, water and soil with toxic, carcinogenic and radioactive materials.

Even without any severe accident (such as the Woolsey well explosion in Fairfield in 2014), we know through air sampling, water testing and infrared footage that fracked wells leak. The proposed well site is within one mile of at least 5 known oil wells, and Woolsey Oil Corporation has a plan to flare excess methane, exposing the area nearby to toxins.

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Sincerely,

Mr. Troy Pierce
Jun 16, 2017

Illinois Department of Natural Resources Illinois Department of Natural Resources IL

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Sincerely,

Ms. Caro Pierceall
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Sincerely,

Mr. Leonard Piersialla
Dear Illinois Department of Natural Resources,

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Thank you for your attention to my comments. Illinois DNR should reject the company's inadequate permit application that fails to protect our health and environment.

Sincerely,

Leonard Piersialla

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Thank you for your attention to my comments. Illinois DNR should reject the company's inadequate permit application that fails to protect our health and environment.

We must show care with how we change the structure of our planet. In some areas where oil is being drilled and fracking there are more disturbances underground in the form of earthquakes. We must be mindful of the contamination of our water tables which may be the only water source for a community. We must be aware of any damage to our public lands that will affect our wildlife. New York State has banned fracking and Illinois could join with New York and other states to ban this destructive fracking. Is it necessary to drain every bit of exploitable resource from our planet. Let Illinois join New York and the few other states that have banned fracking. Our land, our air and our water should be more important then the money these companies will get exploiting our state.

Sincerely,

Darlene Pietrzak
This message was sent by KnowWho, as a service provider only, on behalf of the individual noted in the sender information.
I can tell you that the Woolsey application is woefully inadequate, but you will hear that from others. I don't believe Illinois should allow fracking at all in our state. Fracking can destabilize the ground and we have a fault line in Illinois. As weather is changing and it is getting hotter in Southern Illinois water will be essential, we would not only be wasting our precious water but putting our water tables in danger of being contaminated from the chemicals used in fracking. And when the company is done squeezing every bit of resource from the ground and then claims bankruptcy, the state will be left with scared, barren areas where nothing will grown and the taxpayers will have to pay to attempt to clean up and restore the areas.

As we should be moving away from fossil fuels, especially the dirty fuels like shale, this permit application should be denied. We should be thinking of our state, as we will most likely get very little money from Woolsey to compensate Illinoisans for the damage that will be left behind and the costs to repair it. Mostly, we must think about the loss of our precious water and how it will affect our towns, farms and wildlife in the area. New York, Vermont and other states have banned fracking and Illinois should stand up and ban fracking as well. Repeal the Illinois Hydraulic Fracturing Regulatory Act of 6/17/2013 and ban fracking in the State of Illinois.

Thank you
Darlene Pietrzak
Dear IDNR Oil and Gas Regulatory Staff:

I am writing as a member of The People's Lobby and Reclaim Chicago to express my concerns regarding the Woolsey Operating Company’s application for a High Volume Hydraulic Fracturing Permit (HVHHF #000001).

The Woolsey application is woefully inadequate. There are overarching generalities and deficiencies in the initial application and supplemental information, not to mention problems where information was actually provided. The attached comments highlight areas of deficiency and concerning omissions in both the supplemental information and the original application.

I am concerned about Woolsey's capability to adhere to the letter or spirit of the Hydraulic Fracturing Regulatory Act (HFRA). They clearly demonstrated their inability to complete a full and complete initial application to engage in high volume horizontal fracking.

Woolsey should not be given a permit to engage in fracking in the state of Illinois -- Southern Illinoisans' water supplies, health, safety, and livelihoods are on the line.

Sincerely,

Annie Pike

Sent Via Email: July 23, 2017
Dear Illinois Department of Natural Resources,

I am writing these comments in regards to the application from Woolsey Operating Company, LLC for a permit under the Hydraulic Fracturing Regulatory Act (HFRA), assigned to Review Number HVHHF-000001. The proposed well (Woodrow #1H-310408-193) in White County, Illinois would threaten public health and safety and the permit application contains a number of issues highlighted below.

The application is woefully lacking in data and information required by the Illinois legislature and Illinois DNR under the rules and regulations of the HFRA that are designed to protect public health and the environment, and so cannot be approved as submitted. For example, the permit application does not give the exact location of the two disposal wells. The locations should be given with GPS coordinates so that the public knows exactly where these wells are located.

From the information that is provided, a number of concerns arise, including but not limited to:

1. The application requests exceptionally large water withdrawals from groundwater resources that are very susceptible to depletion, and fails to include plans to recycle water or otherwise minimize water consumption.
2. The application significantly underestimates flowback volumes, and plans for inadequate containment facilities for even that amount of flowback and other chemicals/wastes that the application does estimate.
3. The application conceals information on hazardous fracking chemicals without attempting to demonstrate entitlement to trade secret protection.
4. The application includes inadequate insurance for the well, with insurance that excludes the very types of damages to private landowners' property that should be protected.
5. The operations as described in the application would fail to preserve topsoil, and the stormwater management plan is inadequate.
6. The application plans for deficient surface and groundwater sampling. Adequate sampling must be required to protect important water sources.

Thank you for your attention to my comments. Illinois DNR should reject the company's inadequate permit application that fails to protect our health and environment.

Sincerely,

Kathy Pilat

This message was sent by KnowWho, as a service provider only, on behalf of the individual noted in the sender information.
Dear Illinois Department of Natural Resources,

I urge you to protect Illinois' natural resources and our public health and safety by denying Woolsey Operating Company LLC's well permit application (HVHHF Review #: 000001).

Hundreds of studies have shown that the practice of hydraulic fracturing pollutes our air, water and soil with toxic, carcinogenic and radioactive materials.

Even without any severe accident (such as the Woolsey well explosion in Fairfield in 2014), we know through air sampling, water testing and infrared footage that fracked wells leak. The proposed well site is within one mile of at least 5 known oil wells, and Woolsey Oil Corporation has a plan to flare excess methane, exposing the area nearby to toxins.

Do not sacrifice the health of Illinoisans and our natural resources for a toxic industry. Please deny the Woolsey Operating Company fracked well permit.

Sincerely,

Mr. Ryan Pilcher
Dear Illinois Department of Natural Resources,

I am writing these comments in regards to the application from Woolsey Operating Company, LLC for a permit under the Hydraulic Fracturing Regulatory Act (HFRA), assigned to Review Number HVHHF-000001. The proposed well (Woodrow #1H-310408-193) in White County, Illinois would threaten public health and safety and the permit application contains a number of issues highlighted below.

The application is woefully lacking in data and information required by the Illinois legislature and Illinois DNR under the rules and regulations of the HFRA that are designed to protect public health and the environment, and so cannot be approved as submitted. For example, the permit application does not give the exact location of the two disposal wells. The locations should be given with GPS coordinates so that the public knows exactly where these wells are located.

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Thank you for your attention to my comments. Illinois DNR should reject the company's inadequate permit application that fails to protect our health and environment.

Sincerely,

Wes Pinchot

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DNR Public Comment,

IDNR Oil and Gas Regulatory Staff,

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Thank you for your attention to my comments. Illinois DNR should reject the company’s inadequate permit application that fails to protect our health and environment.

Kristin Pink
From: Food & Water Watch <act@fwwatch.org> on behalf of Dolores Pino, B.A., J.D. <act@fwwatch.org>
Sent: Friday, June 16, 2017 3:48 PM
To: DNR.HFPublicComments
Subject: [External] Public Comment regarding HVHHF Review #:000001

Jun 16, 2017

Illinois Department of Natural Resources Illinois Department of Natural Resources IL

Dear Illinois Department of Natural Resources,

I strongly urge you to protect Illinois’ natural resources and the public health, safety, welfare and the environment by denying Woolsey Operating Company LLC’s well permit application (HVHHF Review #:000001).

As you know, hundreds of studies have shown that the practice of hydraulic fracturing pollutes peoples' bodies, the air, water and soil with toxic, carcinogenic and radioactive materials.

Even without any severe accident (such as the Woolsey well explosion in Fairfield in 2014), we know through air sampling, water testing and infrared footage that fracked wells leak.

EVERY WELL LEAKS!!!!!!

The proposed well site is within one mile of at least 5 known oil wells, and Woolsey Oil Corporation has a plan to flare excess methane, exposing the area nearby to gargantuan amount of synthetic toxic chemicals and a great amount of deadly radioactivity.

Do not sacrifice the health of Illinosians and our natural resources for a toxic industry. Please deny the Woolsey Operating Company fracked well permit.

Sincerely,

Ms. Dolores Pino, B.A., J.D.
Oil & Gas Regulatory Staff,

I strongly urge you to protect the public health, safety, welfare, and the environment of Illinois by wholly and absolutely denying the outrageously disgusting Woolsey Operating Company LLC's well permit application (HVHHF Review #: 000001).

As you know, hundreds of studies have shown that the practice of hydraulic fracturing pollutes the air, water and soil with toxic, carcinogenic and deadly, killing radioactive materials.

Even without any severe accident (such as the Woolsey well explosion in Fairfield in 2014), we know through air sampling, water testing and infrared footage that fracked wells leak. The proposed well site is within one mile of at least 5 known oil wells, and Woolsey Oil Corporation has a plan to flare excess methane, exposing the area nearby to toxins.

Do not sacrifice the health of Illinoisans and our natural resources for a toxic industry. Please deny the Woolsey Operating Company fracked well permit.

Dolores Pino
Radioactivity Associated With Hydraulic Fracturing
Submitted by Frack Free Illinois,
www.facebook.com/FrackFreeIllinois

Public Act 098-0022, and the draft rules released by the IDNR are not adequate to protect Illinois residents in regards to the radioactivity of shale and the handling of fracking waste water and debris. The industry and geologists know that all shale is radioactive, it is only a matter of degree. A typical shale formation has 100 API units of radiation; the New Albany Shale has in some cases up to 200-400 API units above the normal shale background. It is by measuring the gamma ray signatures of rock that geologists know where they will find shale.

Natural occurring radioactive material is NORM and when it is brought to the surface with fracking it becomes TENORM. The principal radionuclide of concern in NORM/TENORM is radium-226, a member of the uranium series, which is present in natural soils in concentrations of about 1 picocurie per gram (Ci/g). However, NORM/TENORM radioisotopes may be present in different layers of rock in varying concentrations, and most fracking waste contains radium-226 concentrations that are much higher than 1 pCi/g, and may be as high as tens of thousands of pCi/g. Frack waste water is radioactive, toxic brine when it returns to the surface, in some areas it has been found to contain up to 16,000 picoCuries per liter of radium-226. The discharge limit in effluent for Radium 226 is 60 pCi/L, and the EPA’s drinking water standard is 5 pCi/L.

The current maximum contaminant level ((MCL) as set forth in 40 CFR 141.66(c)) for radium-226 and radium-228, combined is 5 picocuries per liter of water, and for solids 5 picocuries per gram. Please also keep in mind the half-life of Ra-226 is 1600 years. www.epa.gov/radiation/tenorm/oilandgas.html

When fracking brings up massive amounts of shale debris, flowback water and produced water it brings with it elements like uranium, radium-226, radium-228, bismuth-214, lead-214, actinium-228 and thallium-208 and many decay daughters such as radon gas. Fracking exposes our surface water, air, land and residents to these radioactive elements. This radioactivity does not go away when it hits the surface, and with radium’s extensive decay chain the harmful radioactivity persists in our environment for many, many thousands of years.

How radioactive is this fracking debris and waste water from Illinois shale?
We can not tell how radioactive every well’s waste is until we test all of the waste water and the drilling debris, but we know from the experts that our shale is more radioactive than most. Out east, the Marcellus and Utica shale formations have concentrations of radium-226 that are 30 times background and up to 3000 times the allowable levels of EPA exposure. The academics from across the country are telling us to assume all the fracking debris and fracking waste water will be radioactive.

The fracking wells do not become less radioactive as they continue into production, actually the reverse is true, the initial flowback water from the wells (first 7-10 days) will be less radioactive than the produced water, which gets pumped out of wells throughout the estimated 1-3 years of production from that well. But Public Act 098-0022, and now the inadequate IDNR draft rules, indicate that the only radioactive monitoring that is required is on the initial flowback water, not the more radioactive produced water - which gets more radioactive the longer the water sits in the shale, and they will not be mandated to test the fracking drilling debris, which can also be radioactive.

This is potentially a fatal flaw for frack field workers, truckers and residents living near enough that they might get exposed to this radioactivity. In 2005 The National Academies of Science released an over 700-page report on the risks from ionizing radiation. The BEIR VII or seventh Biological Effects of Ionizing Radiation report on "Health Risks from Exposure to Low Levels of Ionizing Radiation" reconfirmed the previous knowledge that there is no safe level of exposure to radiation—that even very low doses can

Frack field waste is LLRW, (Low Level Radioactive Waste), and should be disposed of per the "IL Low-Level Radioactive Waste Management Act" (420 ILCS 20). That designation would carry its own requirements by the federal and state agencies. The reality is that this waste is radioactive and toxic and it must be treated as such or there will be negative environmental and public health consequences. [http://pubs.usgs.gov/fs/fs-0142-99/fs-0142-99.pdf](http://pubs.usgs.gov/fs/fs-0142-99/fs-0142-99.pdf)

**Per the US EPA,**

"Because TENORM contaminated wastes in oil and gas production operations were not properly recognized in the past, disposal of these wastes may have resulted in environmental contamination in and around production and disposal facilities. Surface disposal of radioactive sludge/scale, and produced water (as practiced in the past) may lead to ground and surface water contamination." [www.epa.gov/radiation/tenorm/oilandgas.html](http://www.epa.gov/radiation/tenorm/oilandgas.html) Workers and residents in the area and in the community are at risk from this frack field waste radiation.

Again from the EPA;

**Oil/Radiation Waste Disposal Workers** – Disposal workers include those who work directly on top of uncovered waste sites. Potential risks assessed for these workers include exposures due to direct gamma radiation and radioactive dust inhalation. In addition, they may inhale radon gas which is released during drilling and produced by the decay of radium, raising their risk of lung cancer. Workers following safety guidance will reduce their total on-site radiation exposure.

**Nearby Residents/Office Workers** – Risks evaluated for members of the public working or residing within 100 meters of a disposal site are similar to those of disposal workers. They include: direct gamma radiation, inhalation of contaminated dust, inhalation of downwind radon, ingestion of contaminated well water, ingestion of food contaminated by well water, and ingestion of food contaminated by dust deposition.

Risks analyzed for the general population within a 50 mile radius of the disposal site include exposures from the downwind transport of re-suspended particulates and radon, and exposures arising from ingestion of river water contaminated via the groundwater pathway and surface runoff. Downwind exposures include inhalation of re-suspended particulates, ingestion of food contaminated by deposition of re-suspended particulates, and inhalation of radon gas. Individuals working inside an office building inadvertently constructed on an abandoned NORM waste pile also face the threat of radiation exposure. Potential risks assessed for the onsite individual include exposures from direct gamma radiation, dust inhalation, and indoor radon inhalation. [www.epa.gov/radiation/tenorm/oilandgas.html](http://www.epa.gov/radiation/tenorm/oilandgas.html)

In the Public Act 098-0022, there is a requirement to test the flowback water for radioactivity at least once, and the ground adjacent to the storage tanks and any hydraulic fracturing flowback reserve pit must also be measured for radioactivity. These requirements are admissions that radioactivity might be found in the drilling debris and the fracking waste, and by deduction also the produced water. In the Public Act there was no mention of testing the produced water from wells for radioactivity, but it was not disallowed either, it was merely not mentioned.

In the Public Act there is a broad mandate for the IDNR to enact rules that protect the public health and the environment:

**Section 1-75 High volume horizontal hydraulic fracturing operations.**

(a) General.

(2) All phases of high volume horizontal hydraulic fracturing operations shall be conducted in a manner that shall not pose a significant risk to public health, life, property, aquatic life, or wildlife.

**Section 1-83 Order authority.**

(d) The Department may issue conditions within any order to protect the public health or welfare or the environment.

The IDNR has not followed through with their expressed responsibilities in Public Act 098-0022 to protect the public health and environment, as it relates to radioactivity brought up by fracking. The IDNR has only allowed for the testing of the flowback water, and the adjacent ground, and has not regulated the testing
of the produced water for radioactivity, this will certainly impact on the health of the public and the workers on and around the frack fields.

Section 245.850 Hydraulic Fracturing Fluid and Hydraulic Fracturing Flowback Storage, Disposal or Recycling, Transportation and Reporting Requirements

d) Testing of hydraulic fracturing flowback shall be completed as follows:
E) gross alpha and beta particles to determine the presence of any naturally occurring radioactive materials.

e) Before plugging and site restoration required by Section 245.1030, the ground adjacent to the storage tanks and any hydraulic fracturing flowback reserve pit must be measured for radioactivity (Section 1-75(c)(7) of the Act).

There is no mention in these rules what happens differently if the flowback water or the ground adjacent to the storage tanks and any hydraulic fracturing flowback reserve pit measures positively for radioactivity. No standards listed, no levels at which emergency procedures are begun, no reporting to IEMA, no mention of worker’s protections, no changes in the disposal methods for the radioactive waste water, no limiting the use of Class II wells, (which are not designed for radioactive waste), no alterations in modes of transportation, there is nothing operational that changes following a finding of radioactivity from a frack well, including no mention of mandatory reporting to the landowner.

Section 245.850 Hydraulic Fracturing Fluid and Hydraulic Fracturing Flowback Storage, Disposal or Recycling, Transportation and Reporting Requirements

g) Except for recycling allowed by subsection (i), hydraulic fracturing flowback may only be disposed of by injection into a Class II injection disposal well that is below interface between fresh water and naturally occurring Class IV groundwater (Sections 1-75(c)(8) and 1-25(c) of the Act). The Class II injection disposal well must be equipped with an electronic flowmeter and approved by the Department.

We request that the IDNR look at these rules again, surely there are standards in place for LLRW, including the "IL Low-Level Radioactive Waste Management Act", (420 ILCS 20), that would apply in a situation where the flow back water is found to contain radioactivity.

It stands to reason that if the flowback water from a well site tested positive for radioactive elements that the produced water from that same well site would also test positive for radioactivity, but there is nothing in the rules that calls for the testing of the produced water. This is a serious regulatory lapse that will likely cause damage to the public health and the environment.

Section 245.940 Produced Water Disposal or Recycling, Transportation and Reporting Requirements

The permittee shall dispose of or recycle produced water in accordance with the requirements of this Section:

a) Surface discharge of produced water onto the ground or into any surface water or water drainage way is prohibited (Sections 1-75(c)(9) and 1-25(c) of the Act).

b) Except for recycling allowed under subsection (d), produced water may only be disposed of by injection into a Class II injection well that is below interface between fresh water and naturally occurring Class IV groundwater (Sections 1-75(c)(8) and 1-25(c) of the Act). Unless used for enhanced oil recovery, the Class II injection well must be equipped with an electronic flowmeter and approved by the Department.

c) Produced water transfer operations from tanks to tanker trucks for transportation offsite must be supervised at the truck and at the tank if the tank is not visible to the truck operator from the truck. During transfer operations, all interconnecting piping must be supervised if not visible to transfer personnel at the truck and tank. (Section 1-75(c)(6) of the Act)

d) Produced water may be treated and recycled for use in hydraulic fracturing fluid for high volume horizontal hydraulic fracturing operations (Section 1-75(c)(8) of the Act).

There is another regulatory lapse in the lack of testing for radioactivity at the Medium Volume Horizontal Hydraulic Fracturing wells as described below, yet these wells will involve the same possibly radioactive
shale layers as the High Volume wells, therefore the same risks of encountering radioactive waste water and debris exists, but nothing is mentioned in the rules.

Section 245.1200 Medium Volume Horizontal Hydraulic Fracturing Completion Reports
a) For any horizontal hydraulic fracturing operations where all combined stages of a stimulation treatment of a horizontal well are by the pressurized application of more than 80,000 gallons but less than 300,001 gallons of hydraulic fracturing fluid and proppant to initiate or propagate fractures in a geologic formation to enhance extraction or production of oil or gas, reporting under subsection (c) is required (Section 1-98(a) of the Act).

To protect workers, residents and our environment from serious radiation exposure from fracking waste we ask that the IDNR modify these rules in consultation with IEMA to:

- Require monitoring of all the fracking debris, the flowback water and the produced water for all of the radioactive elements, throughout the full drilling and production phases of each well, from the cradle to the grave. The problem is that the lab tests for radioactive elements, in order to get accurate readings of levels, can take up to 21 days, but this kind of accurate testing of debris, flowback and produced water is absolutely essential.
- If positive for radioactivity these lab test results should stimulate a chain of requirements and additional regulations from the IDNR that would alter the containment, trucking, OSHA standards and waste handling requirements for each frack field well to comply with LLRW requirements. Including the requirements of notifying and protecting residents in the area from exposure to this radioactivity.
--To monitor the fields for significant radioactivity continuously, hand held or mounted radiation monitors should be provided on the frack fields by the industry, in waste areas and at the drill sites to warn the workers and residents if serious amounts of gamma radiation are being brought up. These monitors are not specific for exactly what radioactive elements are present but they could serve as a general alarm.
- Crucial OSHA radioactivity protections for the workers should be required when radiation alarms have shown that radioactivity is present; dosimeters, respirators, protective clothing, amongst other protections should be provided from the drilling companies to the workers.
- Radon being the 2nd leading cause of lung cancer is an important environmental radioactive toxin and radon monitors should be required on the frack fields. If radon is found to be released from the frack fields, in large quantities, then precautions for workers and residents should be initiated.
- Radon is inert and is not burned off by flaring, to release it into the air in large quantities is a very serious public health concern. The Fed. Gov. recognizes this and has notified the fracking industry that in 2015 they can no longer flare off gas from the frack wells, they must capture it. Wouldn't it be smarter if we start off with the best practices in IL?
- Enforcement of the requirements for working radiation and radon monitors, radioactivity testing and OSHA and community standards for dealing with radioactive waste and radon, including public notice should be strict, with heavy fines for any violations.
- Solid fracking debris that has tested high for radioactivity should be prohibited from being buried on any frack well site in simple lined pits, even if the landowner agrees. This is insufficient to protect land owners and future generations. The waste should be prohibited from being shipped to a typical landfill and mixed with non-radioactive material, this could lead to contamination of ground water, when water soluble radium leaches out of the landfill.
– Fracking waster water should not be processed at any municipal water treatment plant. The practice has ended in PA, where radioactivity was found being discharged from these plants into rivers and streams. Municipal water treatment plants are not able to remove radioactive elements.

– Class 2 injection wells are not a good long term storage option for fracking waste water that will stay radioactive for thousands of years. With age, and in our earthquake zones - with even small seismic events, the well casings degrade and the integrity of the wells fail. The IDNR has kept very poor records of these wells prior to 1990, many of the older ones are in very questionable condition. With the loss of integrity, a Class 2 well can not be counted on as a long term repository for significant radioactive waste. We recommend their use for fracking waste water be banned. [www.scientificamerican.com/article.cfm?id=are-fracking-wastewater-wells-poisoning-ground-beneath-our-feet](http://www.scientificamerican.com/article.cfm?id=are-fracking-wastewater-wells-poisoning-ground-beneath-our-feet)

– Best practices in WVA are being utilized, and all fracking debris in WVA is being dealt with as LLRW and shipped to specific landfills which have separate LLRW containment facilities. All fracking waste should be assumed to be LLRW until proven otherwise. Mandate the use of LLRW containment facilities for all frack field debris and waste water.
Jun 16, 2017

Illinois Department of Natural Resources Illinois Department of Natural Resources IL

Dear Illinois Department of Natural Resources,

I urge you to protect Illinois' natural resources and our public health and safety by denying Woolsey Operating Company LLC's well permit application (HVHHF Review #: 000001).

Hundreds of studies have shown that the practice of hydraulic fracturing pollutes our air, water and soil with toxic, carcinogenic and radioactive materials.

Even without any severe accident (such as the Woolsey well explosion in Fairfield in 2014), we know through air sampling, water testing and infrared footage that fracked wells leak. The proposed well site is within one mile of at least 5 known oil wells, and Woolsey Oil Corporation has a plan to flare excess methane, exposing the area nearby to toxins. Clean air water and soil are natural rights!! Save our planet and keep it in the ground!

Do not sacrifice the health of Illinoisans and our natural resources for a toxic industry. Please deny the Woolsey Operating Company fracked well permit.

Sincerely,

Mrs. Robin Pinsof
Dear Illinois Department of Natural Resources,

I am writing these comments in regards to the application from Woolsey Operating Company, LLC for a permit under the Hydraulic Fracturing Regulatory Act (HFRA), assigned to Review Number HVHHF-000001. The proposed well (Woodrow #1H-310408-193) in White County, Illinois would threaten public health and safety and the permit application contains a number of issues highlighted below.

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Thank you for your attention to my comments. Illinois DNR should reject the company's inadequate permit application that fails to protect our health and environment. Clean air water and soil are natural rights!!! It's your job to protect these rights!!!!!

Sincerely,

Robin Pinsof

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Jun 17, 2017

Illinois Department of Natural Resources Illinois Department of Natural Resources IL

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Sincerely,

Mr. mark pinter
Jun 16, 2017

Illinois Department of Natural Resources Illinois Department of Natural Resources IL

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Sincerely,

Mrs. Carol Piotrowski
Dear Illinois Department of Natural Resources,

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Sincerely,

Mr. Jim Piper
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Janet Piraino

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DNR Public Comment,

IDNR Oil and Gas Regulatory Staff,

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6. The application plans for deficient surface and groundwater sampling. Adequate sampling must be required to protect important water sources.

Thank you for your attention to my comments. Illinois DNR should reject the company’s inadequate permit application that fails to protect our health and environment.

Peggy Pissarreck
Dear Illinois Department of Natural Resources,

I am writing these comments in regards to the application from Woolsey Operating Company, LLC for a permit under the Hydraulic Fracturing Regulatory Act (HFRA), assigned to Review Number HVHHF-000001. The proposed well (Woodrow #1H-310408-193) in White County, Illinois would threaten public health and safety and the permit application contains a number of issues highlighted below.

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6. The application plans for deficient surface and groundwater sampling. Adequate sampling must be required to protect important water sources.

In short, this project is ill-conceived and if allowed to go forward endangers our environment and health.

Thank you for your attention to my comments. Illinois DNR should reject the company's inadequate permit application that fails to protect our health and environment.

Sincerely,

Elizabeth Pitrof

This message was sent by KnowWho, as a service provider only, on behalf of the individual noted in the sender information.
Dear Illinois Department of Natural Resources,

I am writing these comments in regards to the application from Woolsey Operating Company, LLC for a permit under the Hydraulic Fracturing Regulatory Act (HFRA), assigned to Review Number HVHHF-000001. The proposed well (Woodrow #1H-310408-193) in White County, Illinois would threaten public health and safety and the permit application contains a number of issues highlighted below.

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Thank you for your attention to my comments. Illinois DNR should reject the company's inadequate permit application that fails to protect our health and environment.

Sincerely,

Kristen Pitzen

This message was sent by KnowWho, as a service provider only, on behalf of the individual noted in the sender information.
Dear Illinois Department of Natural Resources,

I am writing these comments in regards to the application from Woolsey Operating Company, LLC for a permit under the Hydraulic Fracturing Regulatory Act (HFRA), assigned to Review Number HVHHF-000001. The proposed well (Woodrow #1H-310408-193) in White County, Illinois would threaten public health and safety and the permit application contains a number of issues highlighted below.

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Thank you for your attention to my comments. Illinois DNR should reject the company's inadequate permit application that fails to protect our health and environment.

Sincerely,

Deborah Plesha

This message was sent by KnowWho, as a service provider only, on behalf of the individual noted in the sender information.
Jun 16, 2017

Illinois Department of Natural Resources
Illinois Department of Natural Resources
IL

Dear Illinois Department of Natural Resources,

I urge you to protect Illinois’ natural resources and our public health and safety by denying Woolsey Operating Company LLC’s well permit application (HVHHF Review #: 000001).

Hundreds of studies have shown that the practice of hydraulic fracturing pollutes our air, water and soil with toxic, carcinogenic and radioactive materials.

Even without any severe accident (such as the Woolsey well explosion in Fairfield in 2014), we know through air sampling, water testing and infrared footage that fracked wells leak. The proposed well site is within one mile of at least 5 known oil wells, and Woolsey Oil Corporation has a plan to flare excess methane, exposing the area nearby to toxins.

Do not sacrifice the health of Illinoisans and our natural resources for a toxic industry. Please deny the Woolsey Operating Company fracked well permit.

Sincerely,

Mrs. Sandra Plocar
Dear Department:

I would like to make a comment in favor of allowing Woolsey Operating Company to drill, frack, and complete the horizontal well proposed in White County, IL. Woosley is a long-standing company with a strong track record of clean operations and doing business the right way. I would also like to note that the success of this well could create larger opportunity for the oilfield in southern IL, thereby creating opportunity for tax revenue to the state of Illinois.

I am supportive of the high volume fracturing process and do not believe it is contributing to the environmental claims it has been given. For instance, the high volume fracturing process has been studied by numerous governmental agencies and private parties. The USEPA's final ground water report found nothing to suggest that fracking is a serious risk to ground water. Impacts to ground water identified by the report were attributable to activities not exclusive to fracturing operations. Further, no fewer than 18 reputable studies, including 7 by governmental agencies, have concluded that fracturing operations are not a significant threat to drinking water.

The overwhelming majority of scientific research stated by environmental activists fails to take actual measurements to support their conclusions and lack evidence of causation. Most of the studies have been part of a campaign by anti-fracking groups to arrive at research to support the anti-fracking agenda.

Again, I am in favor of Woolsey being able to drill, frack, and complete their well and any further planned wells.

Thanks,

Landon
Dear Illinois Department of Natural Resources,

I urge you to protect Illinois' natural resources and our public health and safety by denying Woolsey Operating Company LLC's well permit application (HVHHF Review #: 000001).

Hundreds of studies have shown that the practice of hydraulic fracturing pollutes our air, water and soil with toxic, carcinogenic and radioactive materials.

Even without any severe accident (such as the Woolsey well explosion in Fairfield in 2014), we know through air sampling, water testing and infrared footage that fracked wells leak. The proposed well site is within one mile of at least 5 known oil wells, and Woolsey Oil Corporation has a plan to flare excess methane, exposing the area nearby to toxins.

Do not sacrifice the health of Illinoisans and our natural resources for a toxic industry. Please deny the Woolsey Operating Company fracked well permit.

Sincerely,

Ms. Patricia Podboy
Brown, Ronda

From: Food & Water Watch <act@fwwatch.org> on behalf of Taylor Podboy <act@fwwatch.org>
Sent: Friday, June 16, 2017 6:41 PM
To: DNR.HFPublicComments
Subject: [External] Public Comment regarding HVHHF Review #:000001

Jun 16, 2017

Illinois Department of Natural Resources Illinois Department of Natural Resources IL

Dear Illinois Department of Natural Resources,

I urge you to protect Illinois' natural resources and our public health and safety by denying Woolsey Operating Company LLC's well permit application (HVHHF Review #: 000001).

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Even without any severe accident (such as the Woolsey well explosion in Fairfield in 2014), we know through air sampling, water testing and infrared footage that fracked wells leak. The proposed well site is within one mile of at least 5 known oil wells, and Woolsey Oil Corporation has a plan to flare excess methane, exposing the area nearby to toxins.

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Sincerely,

Ms. Taylor Podboy
Dear Illinois Department of Natural Resources,

I am writing these comments in regards to the application from Woolsey Operating Company, LLC for a permit under the Hydraulic Fracturing Regulatory Act (HFRA), assigned to Review Number HVHHF-000001. The proposed well (Woodrow #1H-310408-193) in White County, Illinois would threaten public health and safety and the permit application contains a number of issues highlighted below.

The application is woefully lacking in data and information required by the Illinois legislature and Illinois DNR under the rules and regulations of the HFRA that are designed to protect public health and the environment, and so cannot be approved as submitted. For example, the permit application does not give the exact location of the two disposal wells. The locations should be given with GPS coordinates so that the public knows exactly where these wells are located.

From the information that is provided, a number of concerns arise, including but not limited to:

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Thank you for your attention to my comments. Illinois DNR should reject the company's inadequate permit application that fails to protect our health and environment.

Sincerely,

Roger Podewell
Dear Illinois Department of Natural Resources,

I am writing these comments in regards to the application from Woolsey Operating Company, LLC for a permit under the Hydraulic Fracturing Regulatory Act (HFRA), assigned to Review Number HVHHF-000001. The proposed well (Woodrow #1H-310408-193) in White County, Illinois would threaten public health and safety and the permit application contains a number of issues highlighted below.

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Thank you for your attention to my comments. Illinois DNR should reject the company's inadequate permit application that fails to protect our health and environment.

Sincerely,

Kathryn Podgorski

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Dear Illinois Department of Natural Resources,

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Even without any severe accident (such as the Woolsey well explosion in Fairfield in 2014), we know through air sampling, water testing and infrared footage that fracked wells leak. The proposed well site is within one mile of at least 5 known oil wells, and Woolsey Oil Corporation has a plan to flare excess methane, exposing the area nearby to toxins.

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Sincerely,

Mr. Steve Podgorski
Dear Illinois Department of Natural Resources,

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Sincerely,

Carol Polak

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Dear Illinois Department of Natural Resources,

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Thank you for your attention to my comments. Illinois DNR should reject the company's inadequate permit application that fails to protect our health and environment.

Sincerely,

Carol Polak

This message was sent by KnowWho, as a service provider only, on behalf of the individual noted in the sender information.
Brown, Ronda

From: S -  Sent You a Personal Message <automail@knowwho.com>
Sent: Friday, June 23, 2017 6:17 PM
To: DNR.HFPublicComments
Subject: [External] Review Number HVHHF-000001

Dear Illinois Department of Natural Resources,

I am writing these comments in regards to the application from Woolsey Operating Company, LLC for a permit under the Hydraulic Fracturing Regulatory Act (HFRA), assigned to Review Number HVHHF-000001. The proposed well (Woodrow #1H-310408-193) in White County, Illinois would threaten public health and safety and the permit application contains a number of issues highlighted below.

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Thank you for your attention to my comments. Illinois DNR should reject the company's inadequate permit application that fails to protect our health and environment.

Sincerely,

S -

This message was sent by KnowWho, as a service provider only, on behalf of the individual noted in the sender information.
From: Ellie Poley
Sent: Friday, July 28, 2017 1:29 PM
To: DNR.HFPublicComments
Subject: [External] Comments on HVHHF #000001

HVHHF #000001

I am writing on behalf of ONE Northside and Fair Economy Illinois regarding the The Woolsey application for a High Volume Hydraulic Fracturing Permit.

The Woolsey application is woefully inadequate. There were overarching generalities and deficiencies in the application, not to mention problems where information was actually provided.

We continue to have a concern regarding Woolsey’s capability to adhere to the letter or spirit of the Hydraulic Fracturing Regulatory Act (HFRA). They clearly demonstrated their inability to complete a full and complete initial application to engage in high volume horizontal fracking. They were essentially given an “open book” test with the passage of the HFRA and have demonstrated they still can’t pass that test without extensive help on the part of the Department, the environmental community and the public through written comments. We believe they have demonstrated that they lack both the capacity and willingness to comply with the law. As such, we assert that they should not be granted a permit to engage in fracking in the state of Illinois.

Sincerely,
Eleanor Poley
ONE Northside/Fair Economy Illinois

COMMENTS

Specific comments included below reference the documents contained in the Woolsey Permit Application HVHHF-000001 and are in relation to the regulations outlined in the Hydraulic Fracturing Regulatory Act, 225 ILCS 732, unless otherwise indicated.

COMMENTS

Directional Drilling Plan- Document 3

- **Directional Drilling Plan**- The drilling lengths and depths submitted in the Plan do not match the depth in the scaled cross-section. There is also a discrepancy in angle of the non-vertical portion of the wellbore. If Woolsey cannot provide accurate information in their application, how can we trust them to drill in our state?

Underground Freshwater Information- Document 4

- **Inadequate Determination of Underground Freshwater - No Geological Survey Data submitted**- Section 245.210(a)(5) requires reference to the Illinois State Geological Survey with regard to its proposed drilling. This is critical to insure that freshwater will not be contaminated. Woolsey has failed to provide this information.

- **Inadequate Evidence to Establish the Lowest Potential Fresh Water** - Again, Woolsey has failed to provide this information. As such a clear potential exists that fresh water could exist below the drilling depth in a lower formation.

HVHHF Operations Plan - Document 5

- **Failure to Clearly Identify Formation to be Stimulated** - The permit fails to clearly identify the formation that will be stimulated or fracked by the operation other than to state that the “drilling objective” is the New Albany Shale but later refers to the “objective” being the “Grassy Creek” shale and, later still, describes the “reservoir zone”, and the Semier Shale as the “frac barrier.” These terms are not synonymous and therefore both confusing and inadequate.

- **Failure to Clearly Identify the Confining Zone** - Section 245.210(a)(6) requires the Applicant to specifically identify and describe the formation or formations that constitute the “confining zone” for the proposed well. The application fails to meet this requirement. In fact, it fails to use this term at all in its application.

- **Missing Data** - There is no information, data, or calculations supplied on either a micro-seismic study or the “historic” use to support whether the identification of the “frac barriers” is technically sound. The application contains no information on which a reliable conclusion can be reliably drawn regarding a confining zone or “frac barrier” and the Application is therefore inadequate and must be denied.

- **Confusing Data** - The Role of the Semier Shale is listed as both a “drilling objective” and a “frac barrier” (confining zone?) in the application. It cannot serve two purposes. It is either a drilling objective or a confining zone.
Inadequate Information - Fracturing Pressure - The fracturing pressure of the "producing zone" is given as 2,875 psi. Yet three separate formations are mentioned as "drilling objectives." The same psi for all three would not be used.

Missing Data - Surface Training Pressure Range - This information is entirely missing.

No information on the Vertical Propagation of Fractures - One of the most important safety features established in the Hydraulic Fracturing Regulatory Act is the requirement that the susceptibility for vertical propagation of fractures in the confining zone and the formations contributing to that zone, are accurately determined and stated in the application, Section 245.210(a)(6)(A). The Document completely fails to satisfy this safeguard. The singular sentence it does provide fails to articulate a conclusion that the well plans are adequate and effective. On this basis alone, the permit should be denied.

Missing Data - No information on extent, water or water source, is provided for any formation and no thickness information is provided for the three formations constituting the New Albany Shale.

Data on Transmissive Faults Lacking - The potential for transmissive faults contiguous to HVHHF wells is a major public health and safety concern and is therefore a specific requirement for analysis in Section 245.210(a)(6)(A). However, no specific information or reliable analysis on this important feature is provided in the Document. No information on the scope, lateral extent, depth or sophistication of this survey is provided.

Chemical Disclosure Report - Document 7

Chemical Disclosure Plan - The Document explicitly states that no trade secrecy claim will be made in connection with the chemicals proposed for use in the Application. That assertion is untrue. The Chemical and Proppant List includes the Corrosion Inhibitor Cronox AK-50 and six of its constituent chemicals supplied by vendor Baker Hughes. However, Section 3 of the Safety Data Sheet for Cronox AK-50 on “Composition/Information on Ingredients” lists ten constituent chemicals. The four chemicals in Cronox AK-50 that Applicant fails to identify in its Chemical and Proppant List:

1) Oxyalkylated alkylphenol (10-20% of total mixture),
2) Fatty acids (5-10% of total mixture),
3) Complex alkylaryl polyo-ester (5-10% of total mixture) and
4) Acetylenic alcohol (1-5% of total mixture).

All four of these constituent chemicals have their Chemical Abstract Service Number concealed on the Safety Data Sheet for the stated reason of “Trade Secret.”

Water Source Management Plan - Document 9

Failure to Propose Methods to Minimize Water Withdrawals - One of the most important public safeguards of the Hydraulic Fracturing Regulatory Act is the mandate in Section 1-35(b)(10)(C) that an applicant must specify in the Application’s Water Source Management Plan: “the methods to be used to minimize water withdrawals as much as feasible.” This requirement is carried over directly into Section 245.210(a)(10)(A)(iv). To meet the literal wording of this statement requires that the Applicant consider a reasonable range of methods to reduce its water consumption and select those withdrawal minimization methods and alternatives that are appropriate to its proposed operation. Not only do the rules specifically require consideration of minimization alternatives, but an Application should also satisfy the “reasonable use” doctrine of groundwater use adopted in the Illinois Water Use Act of 1983 at 525 ILCS 45/6 (“The rule of "reasonable use" shall apply to groundwater withdrawals in the State.”) that reasonable use does not include water used “wastefully,” 525 ILCS 45/4.

The Applicant’s Water Source Management Plan completely ignores these requirements. It fails to indicate a reasonable set of methods that it will employ to minimize groundwater withdrawals and, even worse, fails to indicate that the applicant undertook any effort at all to consider minimizing its water use in designing its operations.

This is a special concern in this Application where the Applicant proposes to utilize its own water wells and does not have the disincentive of paying on a per-gallon basis or having transportation costs to limit over-consumption. Further supporting this concern is the fact that the Applicant’s proposed operations appear to be especially wasteful in its proposed water use. The Water Source Management Plan proposes to use a total of 7,500,000 gallons of local groundwater in its treatment operations. This quantity is a full disincentive of paying on a per-gallon basis or having transportation costs to limit over-consumption. Further supporting this concern is the fact that the Applicant’s proposed operations appear to be especially wasteful in its proposed water use. The Water Source Management Plan proposes to use a total of 7,500,000 gallons of local groundwater in its treatment operations. This quantity is a full disincentive of paying on a per-gallon basis or having transportation costs to limit over-consumption.

No justification is given by the Applicant for this exceptionally large water use or why it should not be deemed wasteful in violation of Illinois’ reasonable use doctrine for groundwater withdrawals. Such exceptionally large water consumption is particularly significant in White County, as this water will be removed from three (3) groundwater wells located in fairly shallow sand and gravel aquifers that can be rapidly depleted. Illinois has already had two significant droughts in the last 10 years. The Woolsey application indicates it plans on withdrawing the bulk of its water in the summer months when drought conditions and aquifer depletion are at their highest.

The Applicant’s failure to address its minimization duty is further compounded by its apparent failure to consider use of recycled water for its operation. Its only consideration of recycled water use is a single sentence in its Water Source Management Plan that “Backflow will not commence until injection in all frac stages has been completed, thus there will be no opportunity for use of recycled water in the hydraulic fracture completion.”

Concern about the inadequacy of Applicant’s efforts to minimize water use is further reinforced by plan’s only stated “method” for avoiding the wasting of water, i.e., that it will limit the potential for leakage on-site through the use of piping rather than trucking and keeping the piping limited in length. This claim is far too insubstantial to meet the General Assembly’s intention for an effective effort at water minimization; this is a basic design consideration that is only being puffed up to masquerade as genuine water conservation efforts. Indeed, if leak management was seriously intended, there would be a leak prevention and management plan put in place. There is none.
The only way that the Applicant can satisfy its duty of “reasonable use” of the state’s groundwater and the regulatory requirement to “minimize water withdrawals as much as feasible” is to undertake a review of alternatives and to use the one that utilizes the least water, provided there is no adequately supported business reason to use a more wasteful alternative. Nothing in the Document indicates that such an effort has been undertaken. The Application therefore cannot be approved because the Applicant has not shown that its efforts at minimizing water use are adequate and effective.

Because of the failure to address any methods or alternatives to minimize its water usage, the application must be denied for the failure to meet the requirements for Water Source Management Plans. If the Plan would be approved on this basis, the practical result would be to write the minimization requirement of Section 1-35(b)(10)(C) of the Act out of the state’s statutes and to lose all its intended benefits for the people of Illinois, especially the farmers of White County.

- Will there be a Fourth Well Drilled by the Applicant on Site- The Applicant’s Water Source Management Plan explicitly provides that it will involve three water wells to supply 7,500,000 gallons of water for the base fluid of the hydraulic fracturing operation. However, the Applicant’s Water Quality Monitoring Plan (Document 21) contains the following statement on page 7:
  The water sources included under this plan include both underground aquifers (one existing and 3 proposed HV/HHF water supply wells) and a surface water body (a stock pond). A fourth potentially required water supply well may be drilled, and, if completed, will be included in this monitoring program. (emphasis added)

Apparently, Woolsey does not intend to be bound by its Water Source Management Plan and reserves discretion to modify it for its own undisclosed purposes in a manner that might increase its already high levels of water consumption. However, the clear intent of the Hydraulic Fracturing Regulatory Act is to make these plans binding. Accordingly, the Department should require that the reference highlighted above to a possible fourth well be deleted from the Water Quality Monitoring Plan and the Applicant expressly limited to the three wells proposed in the Water Source Management Plan, provided a valid consideration of minimization methods and alternatives does not reduce that number even further (see previous comment).

Hydraulic Fracturing Fluids and Flowback Plan- Document 10

- Inadequate information on Fracturing Fluids- The Applicant’s Hydraulic Fracturing Fluids and Flowback Plan contains barely a full page of information and either completely neglects or is patently vague on numerous items of required information. Equally unacceptable, it contains no supporting information for the conclusory statements it does make. Specifically, none of the information required by paragraph (b) of the Department’s form regarding fracturing fluid is provided as the only information stated in the Applicant’s plan is on flowback. Accordingly, the Application is incomplete and must be returned to the Applicant to provide the paragraph (b) required information on “injection schedule, flow rate, reuse volume, storage, any treatment and total volume in detail.”

- Unrealistic Rate of Flowback Recovery Proposed- The application states an anticipated 4-5,000 barrels of flowback will be recovered but fails to give information on how this number was calculated. The number proposed in the application is 2.8% of the total estimated to be utilized. This is substantially less (5.4 to 7.1 times less) than the average amount of flowback highlighted by the Ohio DNR for fracking, which is 15-20% of the total volume used. If the Ohio numbers are correct, Woolsey will have dramatically underestimated it’s needs for storage capacity and transport. Woolsey must be required to quantify how it arrived at its numbers or be denied a permit on this basis.

- Inadequate Information on Storage Tanks- The application states that the storage tanks will meet the qualities for the “purpose built.” There is no identification as to the number of storage tanks, which will be critical in light of the above comment, nor is there information on the rate/frequency for emptying the tanks. These are all inadequate.

- No Testing Plan for Flowback Water- This is required by law but missing in the application. This is such a critical feature that the permit application should be denied on this basis alone.

- Use of Earthen Containment Berms- The plan states that the flowback storage tanks will be “enclosed by earthen containment berms which will be of sufficient size to contain all of the possible flow back fluid temporary storage volume.” No information is provided regarding the engineering properties or layout of these earthen berms. Earthen berms are inadequate for site containment. And, as identified in previous comments, if the flowback calculation is closer to Ohio DNR’s numbers, the storage proposed will be completely inadequate.

Wellsite Safety Plan- Document 11

- No Clarity for NORM Sampling to Undefined “Black Shale”- Section 3.2.10 of the Wellsite Safety Plan addresses Naturally Occurring Radioactive Material (“NORM”). This section limits the drill cuttings to be tested for radioactivity to “black shale.” Although this phrase is used in the regulations, it is not defined there or in the Safety Plan, nor at any other point in the Application. Accordingly, what is considered the “black shale” subject to this testing requirement is unspecified. The Plan should therefore be amended to identify the specific geologic formations that the Applicant considers to be “black shale,” in the vicinity of its proposed well, including the formation depth, so the extent of sampling will be clear.

- Safety Considerations of the General Public- There is virtually no consideration given to the safety of members of the general public that may be in the site’s vicinity. This is unacceptable and a permit should be denied on this basis.

Containment Plan- Document 12

- The Containment Plan is completely inadequate. It fails to provide specific information on capacity and design. Please see previous comments on the inadequacy of the “earthen containment berms and the lack of specificity in the number of containment tanks especially in light of the (probably) underestimated amount of flowback.

Casing and Cementing Plan- Document 13

- Missing Information in the Casing and Cementing Plan- The casing and cementing plan does not address the requirements labeled in Document 13 regarding the potential for earthquakes. The application is therefore incomplete and
must either be amended by the applicant or denied by IDNR. Furthermore, the casing and cementing plan is completely inadequate to meet Illinois’ regulations. It does not include the detail required by the HFRA and cannot be approved without this critical information.

Traffic Management Plan- Document 14

- Traffic Avoidance of the Wabash River- The application plan fails to address the need to avoid road traffic of hazardous materials in proximity to the Wabash River, a public water supply source.

Proof of Insurance- Document 18

- The Certificate of insurance is insufficient to meet the requirements set by the HFRA and should be denied on that basis.

Failure to Specify Earthquake or Floodplain Hazard

- Specification of Earthquake area or floodplain missing or inadequate- The Department’s form requires the applicant to identify whether the insured wellsite location is in a define earthquake area or a regulatory floodplain. The Application meets neither requirement.

Topsoil Preservation Plan- Document 19

- Topsoil Plan Inadequate- The Department’s form requires that the Topsoil Preservation Plan must be provided with “detail.” (“Please detail the plan to stockpile, stabilize . . . any topsoil and subsoil . . .”). No information is provided as to the amount of soil (top or sub) that will be stockpiled. The level of negligible detail that IS provided, seems more like an effort to expend the least possible effort and expense in handling the soil by just spreading it around the site. Accordingly, it does not appear to be a “preservation” plan at all given this lack of detail.

Water Quality Monitoring Plan

- Inadequate Water Quality Monitoring Plan- The HFRA section governing Water Quality Monitoring is over six pages in length and is specific as to what is required in an approvable plan. The applicant plan is completely inadequate in addressing everything required for in the HFRA. For example, the applicant’s monitoring plan does not identify a single specific sampling point. Similarly the groundwater section is also generic. This is unacceptable and the application should be denied on this basis.

- Data Analysis Procedure Plan Inadequate- The laboratory tests require an interpretation of the test results and for that purpose, the Applicant concludes its Water Quality Monitoring Plan with a section titled “Data Analysis Procedures.” The Section is completely generic and does not actually provide such analytic procedures, thus rendering the Application incomplete. Instead of supplying an actual data analysis plan, the Applicant merely states that “the method to be used under this plan is based on (emphasis added) U.S. EPA methodology established for the assessment of contaminants in environmental samples, and is described in Chapter 9 of U.S. EPA publication 846. We plan to use a data analysis plan based on that methodology.” Accordingly, no plan is proposed that can be evaluated during the public comment period and the Application is incomplete. There is no valid reason why such a plan cannot be presented for comment now. Without it, the application must be denied.

- Water Quality Monitoring Work Plan is not “independent”- The "Water Quality Monitoring Work Plan" calls for an independent third party" to collect and sample water to establish baseline measurements of water quality and quantity. The Water Quality Monitoring Work Plan also tasks an "independent third party" to collect and sample water for years into the future. The Water Quality Monitoring Work Plan application states Shawnee Professional Services will collect water samples to establish baseline measurements. The Water Quality Monitoring Work Plan application also states Shawnee Professional Services will collect water samples for years into the future. There can be no greater public interest than the monitoring of water quality & quantity. The public must depend on IDNR to protect its interests. Shawnee Professional Services has a conflict of interest. Mitch Garret owner of Shawnee Professional Services was a founder of a pro fracking group formed in Johnson County to fight the non - binding resolution "A Community Bill of Rights" in the spring of 2014. The pro fracking group felt so threatened by the non - binding "A Community Bill of Rights" resolution that one of its first acts was to "convince" The Vienna Times newspaper, three weeks prior to the vote, to refuse all anti fracking advertisement, articles and letters to the editor. To leave the ultimate "public interest" in the hands of a company owned by Mitch Garret is to not understand the meaning of independent third party.

Radioactive Materials Management- Document 25

- Lack of Clarification on “Black Shale” subject to sampling- As stated in the previous comments under Document 11, the Wellsite Safety Plan, the phrase “black shale” is not defined in the regulations and the extent of sampling thereof is uncertain. Please confirm what geologic formations you consider to be in the “black shale” that will be tested pursuant to this requirement.

- Need to Clarify If Filters Will Be Used and Tested for Radioactivity.- One of the most serious sources for radioactive contamination is from filters used at hydraulic fracturing sites and disposal sites. No mention is made of filters in the Application or of the specific type of equipment to be used on-site. The Applicant must state whether any filters will be utilized on-site and if so, how they will be managed.

Bond- Document 27

- Insufficient bond- The bond amount identified in the application is in the amount of $50,000 which is the amount for a single well, not a blanket bond. In the approximate center of the bond is a box captioned with: “ONLY COMPLETE IF BOND IS FOR INDIVIDUAL WELL OR PERMIT.” The information to be entered in this box for an individual well gives locational and
identifying information for the well covered, but the Applicant fails to provide any of that information. The Applicant must either provide a new Bond with this information or provide an explanation for why the Bond is incomplete and does not identify the well addressed in the Application.

Section 09 Water Source Management Plan

(f) Identify the methods to be used to minimize impact to aquatic life.

Comment: Woolsey reports that they anticipate injecting 7.5 million gallons of Frac fluid in part (d) of this section. But their onsite capacity for flowback is identified as 126,000 gallons. How can 7.5 million gallons come back as 126,000? Woolsey has no back up plan if this storage capacity proves too small.

(g) Identify the methods to be used to minimize withdrawals as much as feasible.

Comment: Woolsey states that it is “not in the interest of the applicant to overuse water in the HVHHF process” but it nowhere in their comments do they explain the methods it will use to minimize withdrawals. One of the most important public safeguards of the Hydraulic Fracturing Regulatory Act is the mandate in Section 1-35(b)(10)(C) that an applicant must specify in the Application’s Water Source Management Plan: “the methods to be used to minimize water withdrawals as much as feasible.” This requirement is carried over directly into Section 245.210(a)(10)(A)(iv). To meet the literal wording of this statement requires that the Applicant consider a reasonable range of methods to reduce its water consumption and select those withdrawal minimization methods and alternatives that are appropriate to its proposed operation. Not only do the rules specifically require consideration of minimization alternatives, but an Application should also satisfy the “reasonable use” doctrine of groundwater use adopted in the Illinois Water Use Act of 1983 at 525 ILCS 45/6 (“The rule of “reasonable use” shall apply to groundwater withdrawals in the State.”) that reasonable use does not include water used “wastefully,” 525 ILCS 45/4.

The Applicant’s Water Source Management Plan completely ignores these requirements and the supplemental material provided does nothing to rectify this deficiency. It fails to indicate a reasonable set of methods that it will employ to minimize groundwater withdrawals and, even worse, fails to indicate that the applicant undertook any effort at all to consider minimizing its water use in designing its operations.

The Applicant proposes to utilize its own water wells and, therefore, does not have the disincentive of paying on a per-gallon basis or having transportation costs to limit over-consumption. Further supporting this concern is the fact that the Applicant’s proposed operations appear to be especially wasteful in its proposed water use. The Water Source Management Plan proposes to use a total of 7,500,000 gallons of local groundwater in its treatment operations. This quantity is a full 50% greater than what the Department itself considers to be the “most commonly reliable figure” for a HVHHF of from “4.4 to 5 million gallons per well.”

No justification is given in either the original application or the Supplemental Data by the Applicant for this exceptionally large water use or why it should not be deemed wasteful in violation of Illinois’ reasonable use doctrine for groundwater withdrawals. Such exceptionally large water consumption is particularly significant in White County, as this water will be removed from three (3) groundwater wells located in fairly shallow sand and gravel aquifers that can be rapidly depleted. Illinois has already had two significant droughts in the last 10 years. The Woolsey application indicates it plans on withdrawing the bulk of its water in the summer months when drought conditions and aquifer depletion are at their highest.

Because of the failure to address any methods or alternatives to minimize its water usage, the application must be denied for the failure to meet the requirements for Water Source Management Plans. If the Plan would be approved on this basis, the practical result would be to write the minimization requirement of Section 1-35(b)(10)(C) of the Act out of the state’s statutes and to lose all its intended benefits for the people of Illinois, especially the farmers of White County.

Section 11 Well Site Safety Plan

The Schematic of Well Pad & HVHHF Flow Back Operations in Figure 2.1 shows 3 flow back fluid storage tanks. By contrast, the Water Source Management Plan lists 6 flow back fluid storage tanks, each with a 21,000 gallon capacity. If the schematic correct, on site storage for flow back fluid is reduced to 63,000 gallons.

- Comments and Questions:
  - Which is correct?
  - Regardless of which is correct, see the comment made in section 9(f). When Woolsey anticipates 7.5 million gallons of frac fluid, have they demonstrated that their proposed flowback storage is adequate?
  - Figure 2-4: Site Waterways Setback on Page 14 states it is 3700’ to the nearest perennial stream. The original Well Site Setback plan illustrates at least 5 “non-perennial streams”. Who designates these streams as “non-perennial” and what precautions is Woolsey proposing to ensure safety regarding these streams?

Page 117 of the 164 page Well Site Safety Plan has a table listing examples of “Permissible Heat Exposure TLV” (Threshold Limit Values).

- Comment/Question: Will adequate personnel be on duty at all appropriate times to accommodate this schedule?
Concerning Attachment E: Fugitive Dust Control Plan:

Comments/Questions:
- Note: There are multiple mentions of "observed", "substantial fugitive dust". Is there a definition of "substantial fugitive dust"?
- Section 2.7 "Dust Control On Paved Roads" – What provisions have been made to ensure the "Wheel Wash" they describe will be installed and monitored at the location named?

Section 2.10 “Control of Other Air Emissions”: Under the heading “Appropriate emission”, it states that "Low-Sulfur Diesel will be used when possible."

Comment/Question:
- Who and what determines when it is possible? IDNR should require they burn Low - Sulfur Diesel at all times. Availability is not an issue.

Section 12: The Containment Plan

Page 2 of this section states: “During flow back operations the tanks located within the area of the wellsite will also be surrounded by a dike capable of holding 150% of the total volume of the single largest container or tank within a common secondary containment area. The secondary containment will be inspected as required by 245.820.”

Comment:
- The potential volume of flow back fluid should be the determinate of dyke size, not the volume of any single container on site to temporarily hold flow back fluids.

Section 12: Casing & Cementing Plan

Page 2 of this section states: “Prior to setting and cementing of the casing the IDNR’s District Office will be contacted by phone and electronic mail of the planned operation to enable an inspector to be present.”

Comments/Questions
- Will IDNR have an inspector present?
- How will this be documented?

The Woolsey addendum goes on to state: “Pursuant to 245.550, prior to drilling out the casing shoe, a Blow Out Preventer (BOP) shall be installed on the well by certified personal” (sic). “Prior to testing the BOP, IDNR’s District Office will be contacted by phone and electronic mail of the planned operation to enable an inspector to be present when the tests are performed.

Comments/Questions
- Will IDNR have an inspector present?
- How will this be documented?

On the bottom of page 2 and continuing onto page 3 of this section, the addendum states: “Prior to setting and cementing of the casing the IDNR’s District Office will be contacted by phone and electronic mail of the planned operation to enable an inspector to be present.”

Comments/Questions
- Will IDNR have an inspector present?
- How will this be documented?

On page 3 of this section, the addendum states: “Prior to testing the casing the IDNR’s District Office will be contacted by phone and electronic mail of the planned operation to enable an inspector to be present. The casing will be tested using brine to fill the casing and pressure tested to 70% of its minimum internal yield for 30 minutes.

Comments/Questions:
- Will IDNR have an inspector present?
- How will this be documented?

Section 16: Public Notice

Page 1 of this section states: “If necessary, a public hearing is scheduled for the 02 day of August, 2017…."

Comments/Questions:
- Who determines if it is “necessary”?
- Who will be allowed to testify? What type of testimony will be allowed?
- Are there parameters in place for such a hearing? If yes, What are they?
Dear Illinois Department of Natural Resources,

I urge you to protect Illinois' natural resources and our public health and safety by denying Woolsey Operating Company LLC's well permit application (HVHHF Review #: 000001).

Hundreds of studies have shown that the practice of hydraulic fracturing pollutes our air, water and soil with toxic, carcinogenic and radioactive materials.

Even without any severe accident (such as the Woolsey well explosion in Fairfield in 2014), we know through air sampling, water testing and infrared footage that fracked wells leak. The proposed well site is within one mile of at least 5 known oil wells, and Woolsey Oil Corporation has a plan to flare excess methane, exposing the area nearby to toxins.

Do not sacrifice the health of Illinoisans and our natural resources for a toxic industry. Please deny the Woolsey Operating Company fracked well permit.

Sincerely,

Mr. Michael Polite
Dear Illinois Department of Natural Resources,

I urge you to protect Illinois' natural resources and our public health and safety by denying Woolsey Operating Company LLC's well permit application (HVHHF Review #: 000001). It is unconscionable to think that fracking could happen in Illinois.

Hundreds of studies have shown that the practice of hydraulic fracturing pollutes our air, water and soil with toxic, carcinogenic and radioactive materials.

Even without any severe accident (such as the Woolsey well explosion in Fairfield in 2014), we know through air sampling, water testing and infrared footage that fracked wells leak. The proposed well site is within one mile of at least 5 known oil wells, and Woolsey Oil Corporation has a plan to flare excess methane, exposing the area nearby to toxins.

Do not sacrifice the health of Illinoisans and our natural resources for a toxic industry. Please deny the Woolsey Operating Company fracked well permit.

Sincerely,

Ms. Adrienne Pollitz
DNR Public Comment,

IDNR Oil and Gas Regulatory Staff,

I am writing these comments in regards to the application from Woolsey Operating Company, LLC for a permit under the Hydraulic Fracturing Regulatory Act (HFRA), assigned to Review Number HVHHF-000001. The proposed well (Woodrow #1H-310408-193) in White County, Illinois would threaten public health and safety and the permit application contains a number of issues highlighted below.

The application is woefully lacking in data and information required by the Illinois legislature and Illinois DNR under the rules and regulations of the HFRA that are designed to protect public health and the environment, and so cannot be approved as submitted. From the information that is provided, a number of concerns arise, including but not limited to:

1. The application requests exceptionally large water withdrawals from groundwater resources that are very susceptible to depletion, and fails to include plans to recycle water or otherwise minimize water consumption.
2. The application significantly underestimates flowback volumes, and plans for inadequate containment facilities for even that amount of flowback and other chemicals/wastes that the application does estimate.
3. The application conceals information on hazardous fracking chemicals without attempting to demonstrate entitlement to trade secret protection.
4. The application includes inadequate insurance for the well, with insurance that excludes the very types of damages to private landowners’ property that should be protected.
5. The operations as described in the application would fail to preserve topsoil, and the stormwater management plan is inadequate.
6. The application plans for deficient surface and groundwater sampling. Adequate sampling must be required to protect important water sources.

Thank you for your attention to my comments. Illinois DNR should reject the company’s inadequate permit application that fails to protect our health and environment.

judith pollock
Dear Illinois Department of Natural Resources,

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Even without any severe accident (such as the Woolsey well explosion in Fairfield in 2014), we know through air sampling, water testing and infrared footage that fracked wells leak. The proposed well site is within one mile of at least 5 known oil wells, and Woolsey Oil Corporation has a plan to flare excess methane, exposing the area nearby to toxins.

NO FRACKING

Do not sacrifice the health of Illinoians and our natural resources for a toxic industry. Please deny the Woolsey Operating Company fracked well permit.

Sincerely,

Ms. leslie ponczek
Jun 16, 2017

Illinois Department of Natural Resources Illinois Department of Natural Resources IL

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Even without any severe accident (such as the Woolsey well explosion in Fairfield in 2014), we know through air sampling, water testing and infrared footage that fracked wells leak. The proposed well site is within one mile of at least 5 known oil wells, and Woolsey Oil Corporation has a plan to flare excess methane, exposing the area nearby to toxins.

If approved, this proposed Illinois well would endanger the health and safety of the community. We could have contaminated drinking water coming out of our taps, as well as toxic air pollution -- all in the name of burning more dirty fossil fuels.

Do not sacrifice the health of Illinoisans and our natural resources for a toxic industry. Please deny the Woolsey Operating Company fracked well permit.

Sincerely,

Ms. Carole Pooler
Dear Illinois Department of Natural Resources,

I am writing these comments in regards to the application from Woolsey Operating Company, LLC for a permit under the Hydraulic Fracturing Regulatory Act (HFRA), assigned to Review Number HVHHF-000001. The proposed well (Woodrow #1H-310408-193) in White County, Illinois would threaten public health and safety and the permit application contains a number of issues highlighted below.

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From the information that is provided, a number of concerns arise, including but not limited to:

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5. The operations as described in the application would fail to preserve topsoil, and the stormwater management plan is inadequate.
6. The application plans for deficient surface and groundwater sampling. Adequate sampling must be required to protect important water sources.

Thank you for your attention to my comments. Illinois DNR should reject the company's inadequate permit application that fails to protect our health and environment.

Sincerely,

Anne Porowski

This message was sent by KnowWho, as a service provider only, on behalf of the individual noted in the sender information.
Jun 16, 2017

Illinois Department of Natural Resources Illinois Department of Natural Resources IL

Dear Illinois Department of Natural Resources,

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Do not sacrifice the health of Illinoisans and our natural resources for a toxic industry. Please deny the Woolsey Operating Company fracked well permit.

Sincerely,

Ms. H. Porter
Dear Illinois Department of Natural Resources,

I am writing these comments in regards to the application from Woolsey Operating Company, LLC for a permit under the Hydraulic Fracturing Regulatory Act (HFRA), assigned to Review Number HVHHF-000001. The proposed well (Woodrow #1H-310408-193) in White County, Illinois would threaten public health and safety and the permit application contains a number of issues highlighted below.

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Thank you for your attention to my comments. Illinois DNR should reject the company's inadequate permit application that fails to protect our health and environment.

Sincerely,

Mark Porter

This message was sent by KnowWho, as a service provider only, on behalf of the individual noted in the sender information.
As their company has checkered safety history, I would urge the state of Illinois reject Woolsey's permit for a fracking well operation. In 2014, there was a blowout, for which the company is trying to dodge responsibility on, and Woolsey’s new application for a fracking well based in White County, does not provide any required details on storage of materials and those materials will likely involve radioactive wastewater.

If Woolsey does end up proceeding with this well, I would urge the state to carefully maintain its inspection schedule. The concrete and the steel making up the well can be comprised with use. Leaking wells can pollute the areas immediately nearby and also the aquifers below.

Frackers are a boom bust economic cycle. Their period of activity could run around 18 months to 3 years, but the ensuing water pollution, coming thru the aquifers could be lasting for future generations. The EPA has recognized this issue, see EPA report from December 2016.

Is it worth the long term hazards to water pollution for a brief 18 months of natural gas extraction? Smart policy decisions come from carefully weighing the benefits against the cost of a proposed action. I know residents in Pennsylvania whom are most unhappy with the fracking operations in their farming areas.

Thank you for your thoughtful consideration.

Nancy Porter
Another Concern that is very valid about the proposed Woolsey/White County fracking well is that this is in an active seismic zone.

I am attaching a Denver study on this.

Please consider the hazards of locating a fracking operation in an active seismic area, the wastewater injections have been shown in Oklahoma to over time increase the number of earthquakes from nonexistent to be in the hundreds/year.

Once again, I appreciate your thoughtful consideration.

Nancy

Nancy J. Porter

-------- Forwarded message --------

From: Nancy Porter
Date: Fri, Jul 28, 2017 at 4:36 PM
Subject: Public Comment
To: DNR.HFPublicComments@illinois.gov

As their company has checkered safety history, I would urge the state of Illinois reject Woolsey's permit for a fracking well operation. In 2014, there was a blowout, for which the company is trying to dodge responsibility on, and Woolsey's new application for a fracking well based in White County, does not provide any required details on storage of materials and those materials will likely involve radioactive wastewater.

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Nancy J. Porter
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Do not sacrifice the health of Illinoisans and our natural resources for a toxic industry. Please deny the Woolsey Operating Company fracked well permit.

Sincerely,

Ms. Rosanne Porter
Dear Illinois Department of Natural Resources,

I urge you to protect Illinois' natural resources and our public health and safety by denying Woolsey Operating Company LLC’s well permit application (HVHHF Review #: 000001).

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Sincerely,

Ms. Jill Portner
Dear Illinois Department of Natural Resources,

I am writing these comments in regards to the application from Woolsey Operating Company, LLC for a permit under the Hydraulic Fracturing Regulatory Act (HFRA), assigned to Review Number HVHHF-000001. The proposed well (Woodrow #1H-310408-193) in White County, Illinois would threaten public health and safety and the permit application contains a number of issues highlighted below.

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From the information that is provided, a number of concerns arise, including but not limited to:

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4. The application includes inadequate insurance for the well, with insurance that excludes the very types of damages to private landowners' property that should be protected.
5. The operations as described in the application would fail to preserve topsoil, and the stormwater management plan is inadequate.
6. The application plans for deficient surface and groundwater sampling. Adequate sampling must be required to protect important water sources.

Thank you for your attention to my comments. Illinois DNR should reject the company's inadequate permit application that fails to protect our health and environment.

Sincerely,

Fraeda Porton

This message was sent by KnowWho, as a service provider only, on behalf of the individual noted in the sender information.
Dear Illinois Department of Natural Resources,

I am writing these comments in regards to the application from Woolsey Operating Company, LLC for a permit under the Hydraulic Fracturing Regulatory Act (HFRA), assigned to Review Number HVHHF-000001. The proposed well (Woodrow #1H-310408-193) in White County, Illinois would threaten public health and safety and the permit application contains a number of issues highlighted below.

The application is woefully lacking in data and information required by the Illinois legislature and Illinois DNR under the rules and regulations of the HFRA that are designed to protect public health and the environment, and so cannot be approved as submitted. For example, the permit application does not give the exact location of the two disposal wells. The locations should be given with GPS coordinates so that the public knows exactly where these wells are located.

From the information that is provided, a number of concerns arise, including but not limited to:

1. The application requests exceptionally large water withdrawals from groundwater resources that are very susceptible to depletion, and fails to include plans to recycle water or otherwise minimize water consumption.
2. The application significantly underestimates flowback volumes, and plans for inadequate containment facilities for even that amount of flowback and other chemicals/wastes that the application does estimate.
3. The application conceals information on hazardous fracking chemicals without attempting to demonstrate entitlement to trade secret protection.
4. The application includes inadequate insurance for the well, with insurance that excludes the very types of damages to private landowners' property that should be protected.
5. The operations as described in the application would fail to preserve topsoil, and the stormwater management plan is inadequate.
6. The application plans for deficient surface and groundwater sampling. Adequate sampling must be required to protect important water sources.

Thank you for your attention to my comments. Illinois DNR should reject the company's inadequate permit application that fails to protect our health and environment.

Sincerely,

Stanley Potash

This message was sent by KnowWho, as a service provider only, on behalf of the individual noted in the sender information.
HVHHF #000001

I am writing on behalf of ONE Northside and Fair Economy Illinois regarding the The Woolsey application for a High Volume Hydraulic Fracturing Permit.

The Woolsey application is woefully inadequate. There were overarching generalities and deficiencies in the application, not to mention problems where information was actually provided.

We continue to have a concern regarding Woolsey’s capability to adhere to the letter or spirit of the Hydraulic Fracturing Regulatory Act (HFRA). They clearly demonstrated their inability to complete a full and complete initial application to engage in high volume horizontal fracking. They were essentially given an “open book” test with the passage of the HFRA and have demonstrated they still can’t pass that test without extensive help on the part of the Department, the environmental community and the public through written comments. We believe they have demonstrated that they lack both the capacity and willingness to comply with the law. As such, we assert that they should not be granted a permit to engage in fracking in the state of Illinois.

Sincerely,
Jo Ann R Potashnick
ONE Northside/Fair Economy Illinois

COMMENTS
Specific comments included below reference the documents contained in the Woolsey Permit Application HVHHF-000001 and are in relation to the regulations outlined in the Hydraulic Fracturing Regulatory Act, 225 ILCS 732, unless otherwise indicated.

COMMENTS

Directional Drilling Plan- Document 3

1. Directional Drilling Plan- The drilling lengths and depths submitted in the Plan do not match the depth in the scaled cross-section. There is also a discrepancy in angle of the non-vertical portion of the wellbore. If Woolsey cannot provide accurate information in their application, how can we trust them to drill in our state?

Underground Freshwater Information- Document 4

2. Inadequate Determination of Underground Freshwater- No Geological Survey Data submitted- Section 245.210(a)(5) requires reference to the Illinois State Geological Survey with regard to its proposed drilling. This is critical to insure that freshwater will not be contaminated. Woolsey has failed to provide this information.
3. Inadequate Evidence to Establish the Lowest Potential Fresh Water - Again, Woolsey has failed to provide this information. As such a clear potential exists that fresh water could exist below the drilling depth in a lower formation.

HVHHF Operations Plan - Document 5
4. Failure to Clearly Identify Formation to be Stimulated - The permit fails to clearly identify the formation that will be stimulated or fracked by the operation other than to state that the “drilling objective” is the New Albany Shale but later refers to the “objective” being the “Grassy Creek” shale and, later still, describes the “reservoir zone”, and the Semier Shale as the “frac barrier.” These terms are not synonymous and therefore both confusing and inadequate.

5. Failure to Clearly Identify the Confining Zone - Section 245.210(a)(6) requires the Applicant to specifically identify and describe the formation or formations that constitute the “confining zone” for the proposed well. The application fails to meet this requirement. In fact, it fails to use this term at all in its application.

6. Missing Data - There is no information, data, or calculations supplied on either a micro-seismic study or the “historic” use to support whether the identification of the “frac barriers” is technically sound. The application contains no information on which a reliable conclusion can be reliably drawn regarding a confining zone or “frac barrier” and the Application is therefore inadequate and must be denied.

7. Confusing Data - The Role of the Semier Shale is listed as both a “drilling objective” and a “frac barrier” (confining zone?) in the application. It cannot serve two purposes. It is either a drilling objective or a confining zone.

8. Inadequate Information - Fracturing Pressure - The fracturing pressure of the “producing zone” is given as 2,875 psi. Yet three separate formations are mentioned as “drilling objectives.” The same psi for all three would not be used.

9. Missing Data - Surface Training Pressure Range - This information is entirely missing.

10. No Information on the Vertical Propagation of Fractures - One of the most important safety features established in the Hydraulic Fracturing Regulatory Act is the requirement that the susceptibility for vertical propagation of fractures in the confining zone and the formations contributing to that zone, are accurately determined and stated in the application, Section 245.210(a)(6)(A). The Document completely fails to satisfy this safeguard. The singular sentence it does provide fails to articulate a conclusion that the well plans are adequate and effective. On this basis alone, the permit should be denied.

11. Missing Data - No information on extent, water or water source, is provided for any formation and no thickness information is provided for the three formations constituting the New Albany Shale.

12. Data on Transmissive Faults Lacking - The potential for transmissive faults contiguous to HVHHF wells is a major public health and safety concern and is therefore a specific requirement for analysis in Section 245.210(a)(6)(A). However, no specific information or reliable analysis on this important feature is provided in the Document. No information on the scope, lateral extent, depth or sophistication of this survey is provided.

Chemical Disclosure Report - Document 7
13. Chemical Disclosure Plan - The Document explicitly states that no trade secrecy claim will be made in connection with the chemicals proposed for use in the Application. That assertion is untrue. The Chemical and Proppant List includes the Corrosion Inhibitor Cronox AK-50 and six of its constituent chemicals supplied by vendor Baker Hughes. However, Section 3 of the Safety Data Sheet for Cronox AK-50 on “Composition/Information on Ingredients” lists ten constituent chemicals. The four chemicals in Cronox AK-50 that Applicant fails to identify in its Chemical and Proppant List:
  1) Oxyalkylated alkylphenol (10-20% of total mixture),
  2) Fatty acids (5-10% of total mixture),
  3) Complex alkylaryl polyo-ester (5-10% of total mixture) and
  4) Acetylenic alcohol (1-5% of total mixture).
All four of these constituent chemicals have their Chemical Abstract Service Number concealed on the Safety Data Sheet for the stated reason of “Trade Secret.”

**Water Source Management Plan- Document 9**

14. **Failure to Propose Methods to Minimize Water Withdrawals** One of the most important public safeguards of the Hydraulic Fracturing Regulatory Act is the mandate in Section 1-35(b)(10)(C) that an applicant must specify in the Application’s Water Source Management Plan: “the methods to be used to minimize water withdrawals as much as feasible.” This requirement is carried over directly into Section 245.210(a)(10)(A)(iv). To meet the literal wording of this statement requires that the Applicant consider a reasonable range of methods to reduce its water consumption and select those withdrawal minimization methods and alternatives that are appropriate to its proposed operation. Not only do the rules specifically require consideration of minimization alternatives, but an Application should also satisfy the “reasonable use” doctrine of groundwater use adopted in the Illinois Water Use Act of 1983 at 525 ILCS 45/6 (“The rule of “reasonable use” shall apply to groundwater withdrawals in the State.”) that reasonable use does not include water used “wastefully,” 525 ILCS 45/4.

The Applicant’s Water Source Management Plan completely ignores these requirements. It fails to indicate a reasonable set of methods that it will employ to minimize groundwater withdrawals and, even worse, fails to indicate that the applicant undertook any effort at all to consider minimizing its water use in designing its operations.

This is a special concern in this Application where the Applicant proposes to utilize its own water wells and does not have the disincentive of paying on a per-gallon basis or having transportation costs to limit over-consumption. Further supporting this concern is the fact that the Applicant’s proposed operations appear to be especially wasteful in its proposed water use. The Water Source Management Plan proposes to use a total of 7,500,000 gallons of local groundwater in its treatment operations. This quantity is a full 50% greater than what the Department itself considers to be the “most commonly reliable figure” for a HVHFF of from “4.4 to 5 million gallons per well.”

No justification is given by the Applicant for this exceptionally large water use or why it should not be deemed wasteful in violation of Illinois’ reasonable use doctrine for groundwater withdrawals. Such exceptionally large water consumption is particularly significant in White County, as this water will be removed from three (3) groundwater wells located in fairly shallow sand and gravel aquifers that can be rapidly depleted. Illinois has already had two significant droughts in the last 10 years. The Woolsey application indicates it plans on withdrawing the bulk of its water in the summer months when drought conditions and aquifer depletion are at their highest.

The Applicant’s failure to address its minimization duty is further compounded by its apparent failure to consider use of recycled water for its operation. Its only consideration of recycled water use is a single sentence in its Water Source Management Plan that “Backflow will not commence until injection in all frac stages has been completed, thus there will be no opportunity for use of recycled water in the hydraulic fracture completion.”

Concern about the inadequacy of Applicant’s efforts to minimize water use is further reinforced by plan’s only stated “method” for avoiding the wasting of water, i.e., that it will limit the potential for leakage on-site through the use of piping rather than trucking and keeping the piping limited in length. This claim is far too insubstantial to meet the General Assembly’s intention for an effective effort at water minimization; this is a basic design consideration that is only being puffed up to masquerade as genuine water conservation efforts. Indeed, if leak management was seriously intended, there would be a leak prevention and management plan put in place. There is none.
The only way that the Applicant can satisfy its duty of “reasonable use” of the state’s groundwater and the regulatory requirement to “minimize water withdrawals as much as feasible” is to undertake a review of alternatives and to use the one that utilizes the least water, provided there is no adequately supported business reason to use a more wasteful alternative. Nothing in the Document indicates that such an effort has been undertaken. The Application therefore cannot be approved because the Applicant has not shown that its efforts at minimizing water use are adequate and effective.

Because of the failure to address any methods or alternatives to minimize its water usage, the application must be denied for the failure to meet the requirements for Water Source Management Plans. If the Plan would be approved on this basis, the practical result would be to write the minimization requirement of Section 1-35(b)(10)(C) of the Act out of the state’s statutes and to lose all its intended benefits for the people of Illinois, especially the farmers of White County.

15. Will there be a Fourth Well Drilled by the Applicant on Site- The Applicant’s Water Source Management Plan explicitly provides that it will involve three water wells to supply 7,500,000 gallons of water for the base fluid of the hydraulic fracturing operation. However, the Applicant’s Water Quality Monitoring Plan (Document 21) contains the following statement on page 7:

   The water sources included under this plan include both underground aquifers (one existing and 3 proposed HVHHF water supply wells) and a surface water body (a stock pond). A fourth potentially required water supply well may be drilled, and, if completed, will be included in this monitoring program. (emphasis added)

   Apparently, Woolsey does not intend to be bound by its Water Source Management Plan and reserves discretion to modify it for its own undisclosed purposes in a manner that might increase its already high levels of water consumption. However, the clear intent of the Hydraulic Fracturing Regulatory Act is to make these plans binding. Accordingly, the Department should require that the reference highlighted above to a possible fourth well be deleted from the Water Quality Monitoring Plan and the Applicant expressly limited to the three wells proposed in the Water Source Management Plan, provided a valid consideration of minimization methods and alternatives does not reduce that number even further (see previous comment).

Hydraulic Fracturing Fluids and Flowback Plan- Document 10

16. Inadequate Information on Fracturing Fluids- The Applicant’s Hydraulic Fracturing Fluids and Flowback Plan contains barely a full page of information and either completely neglects or is patently vague on numerous items of required information. Equally unacceptable, it contains no supporting information for the conclusory statements it does make. Specifically, none of the information required by paragraph (b) of the Department’s form regarding fracturing fluid is provided as the only information stated in the Applicant’s plan is on flowback. Accordingly, the Application is incomplete and must be returned to the Applicant to provide the paragraph (b) required information on “injection schedule, flow rate, reuse volume, storage, any treatment and total volume in detail.”

17. Unrealistic Rate of Flowback Recovery Proposed- The application states an anticipated 4-5,000 barrels of flowback will be recovered but fails to give information on how this number was calculated. The number proposed in the application is 2.8% of the total estimated to be utilized. This is substantially less (5.4 to 7.1 times less) than the average amount of flowback highlighted by the Ohio DNR for fracking, which is 15-20% of the total volume used. If the Ohio numbers are correct, Woolsey will have dramatically underestimated it’s needs for storage capacity and transport. Woolsey must be required to quantify how it arrived at its numbers or be denied a permit on this basis.

18. Inadequate Information on Storage Tanks- The application states that the storage tanks will meet the qualities for the “purpose built.” There is no identification as to the number of storage tanks, which will be critical in light of the above comment, nor is there information on the rate/frequency for emptying the tanks. These are all inadequate.

19. No Testing Plan for Flowback Water- This is required by law but missing in the application. This is such a critical feature that the permit application should be denied on this basis alone.
20. **Use of Earthen Containment Berms** - The plan states that the flowback storage tanks will be “enclosed by earthen containment berms which will be of sufficient size to contain all of the possible flow back fluid temporary storage volume.” No information is provided regarding the engineering properties or layout of these earthen berms. Earthen berms are inadequate for site containment. And, as identified in previous comments, if the flowback calculation is closer to Ohio DNR’s numbers, the storage proposed will be completely inadequate.

**Wellsite Safety Plan- Document 11**

21. **No Clarity for NORM Sampling to Undefined “Black Shale”** - Section 3.2.10 of the Wellsite Safety Plan addresses Naturally Occurring Radioactive Material (“NORM”). This section limits the drill cuttings to be tested for radioactivity to “black shale.” Although this phrase is used in the regulations, it is not defined there or in the Safety Plan, nor at any other point in the Application. Accordingly, what is considered the “black shale” subject to this testing requirement is unspecified. The Plan should therefore be amended to identify the specific geologic formations that the Applicant considers to be “black shale,” in the vicinity of its proposed well, including the formation depth, so the extent of sampling will be clear.

22. **Safety Considerations of the General Public** - There is virtually no consideration given to the safety of members of the general public that may be in the site’s vicinity. This is unacceptable and a permit should be denied on this basis.

**Containment Plan- Document 12**

23. **The Containment Plan is completely inadequate.** It fails to provide specific information on capacity and design. Please see previous comments on the inadequacy of the “earthen containment berms and the lack of specificity in the number of containment tanks especially in light of the (probably) underestimated amount of flowback.

**Casing and Cementing Plan- Document 13**

24. **Missing Information in the Casing and Cementing Plan** - The casing and cementing plan does not address the requirements labeled in Document 13 regarding the potential for earthquakes. The application is therefore incomplete and must either be amended by the applicant or denied by IDNR. Furthermore, the casing and cementing plan is completely inadequate to meet Illinois’ regulations. It does not include the detail required by the HFRA and cannot be approved without this critical information.

**Traffic Management Plan- Document 14**

25. **Traffic Avoidance of the Wabash River** - The application plan fails to address the need to avoid road traffic of hazardous materials in proximity to the Wabash River, a public water supply source.

**Proof of Insurance- Document 18**

26. **The Certificate of insurance is insufficient** to meet the requirements set by the HFRA and should be denied on that basis.

**Failure to Specify Earthquake or Floodplain Hazard**

27. **Specification of Earthquake area or floodplain missing or inadequate** - The Department’s form requires the applicant to identify whether the insured wellsite location is in a define earthquake area or a regulatory floodplain. The Application meets neither requirement.

**Topsoil Preservation Plan- Document 19**

28. **Topsoil Plan Inadequate** - The Department’s form requires that the Topsoil Preservation Plan must be provided with “detail.” (“Please detail the plan to stockpile, stabilize . . . any topsoil and subsoil . . .”). No information is provided as to the amount of soil (top or sub) that will be stockpiled. The level of negligible detail that IS provided, seems more like an effort to expend the least possible effort and expense
in handling the soil by just spreading it around the site. Accordingly, it does not appear to be a “preservation” plan at all given this lack of detail.

Water Quality Monitoring Plan
29. Inadequate Water Quality Monitoring Plan- The HFRA section governing Water Quality Monitoring is over six pages in length and is specific as to what is required in an approvable plan. The applicant plan is completely inadequate in addressing everything required for in the HFRA. For example, the applicant’s monitoring plan does not identify a single specific sampling point. Similarly the groundwater section is also generic. This is unacceptable and the application should be denied on this basis.

30. Data Analysis Procedure Plan Inadequate- The laboratory tests require an interpretation of the test results and for that purpose, the Applicant concludes its Water Quality Monitoring Plan with a section titled “Data Analysis Procedures.” The Section is completely generic and does not actually provide such analytic procedures, thus rendering the Application incomplete. Instead of supplying an actual data analysis plan, the Applicant merely states that “the method to be used under this plan is based on (emphasis added) U.S. EPA methodology established for the assessment of contaminants in environmental samples, and is described in Chapter 9 of U.S. EPA publication 846. We plan to use a data analysis plan based on that methodology.” Accordingly, no plan is proposed that can be evaluated during the public comment period and the Application is incomplete. There is no valid reason why such a plan cannot be presented for comment now. Without it, the application must be denied.

31. Water Quality Monitoring Work Plan is not “independent”- The "Water Quality Monitoring Work Plan" calls for an "independent third party" to collect and sample water to establish baseline measurements of water quality and quantity. The Water Quality Monitoring Work Plan also tasks an "independent third party" to collect and sample water for years into the future. The Water Quality Monitoring Work Plan application states Shawnee Professional Services will collect water samples to establish baseline measurements. The Water Quality Monitoring Work Plan also states Shawnee Professional Services will collect water samples for years into the future. There can be no greater public interest than the monitoring of water quality & quantity. The public must depend on IDNR to protect its interests. Shawnee Professional Services has a conflict of interest. Mitch Garret owner of Shawnee Professional Services was a founder of a pro fracking group formed in Johnson County to fight the non-binding resolution "A Community Bill of Rights" in the spring of 2014. The pro fracking group felt so threatened by the non-binding "A Community Bill of Rights" resolution that one of its first acts was to "convince" The Vienna Times newspaper, three weeks prior to the vote, to refuse all anti fracking advertisement, articles and letters to the editor. To leave the ultimate "public interest" in the hands of a company owned by Mitch Garret is to not understand the meaning of independent third party.

Radioactive Materials Management- Document 25
32. Lack of Clarification on “Black Shale” subject to sampling- As stated in the previous comments under Document 11, the Wellsite Safety Plan, the phrase “black shale” is not defined in the regulations and the extent of sampling thereof is uncertain. Please confirm what geologic formations you consider to be in the “black shale” that will be tested pursuant to this requirement.

33. Need to Clarify If Filters Will Be Used and Tested for Radioactivity.- One of the most serious sources for radioactive contamination is from filters used at hydraulic fracturing sites and disposal sites. No mention is made of filters in the Application or of the specific type of equipment to be used on-site. The Applicant must state whether any filters will be utilized on-site and if so, how they will be managed.

Bond- Document 27
34. Insufficient bond- The bond amount identified in the application is in the amount of $50,000 which is the amount for a single well, not a blanket bond. In the approximate center of the bond is a box captioned with: “ONLY COMPLETE IF BOND IS FOR INDIVIDUAL WELL OR PERMIT.” The information to
be entered in this box for an individual well gives locational and identifying information for the well covered, but the Applicant fails to provide any of that information. The Applicant must either provide a new Bond with this information or provide an explanation for why the Bond is incomplete and does not identify the well addressed in the Application.

Section 09 Water Source Management Plan

(f) Identify the methods to be used to minimize impact to aquatic life.

**Comment:** Woolsey reports that they anticipate injecting 7.5 million gallons of Frac fluid in part (d) of this section. But their onsite capacity for flowback is identified as 126,000 gallons. How can 7.5 million gallons come back as 126,000? Woolsey has no back up plan if this storage capacity proves too small.

(g) Identify the methods to be used to minimize withdrawals as much as feasible.

**Comment:** Woolsey states that it is “not in the interest of the applicant to overuse water in the HVHHF process” but nowhere in their comments do they explain the methods it will use to minimize withdrawals. One of the most important public safeguards of the Hydraulic Fracturing Regulatory Act is the mandate in Section 1-35(b)(10)(C) that an applicant must specify in the Application’s Water Source Management Plan: “the methods to be used to minimize water withdrawals as much as feasible.” This requirement is carried over directly into Section 245.210(a)(10)(A)(iv). To meet the literal wording of this statement requires that the Applicant consider a reasonable range of methods to reduce its water consumption and select those withdrawal minimization methods and alternatives that are appropriate to its proposed operation. Not only do the rules specifically require consideration of minimization alternatives, but an Application should also satisfy the “reasonable use” doctrine of groundwater use adopted in the Illinois Water Use Act of 1983 at 525 ILCS 45/6 (“The rule of “reasonable use” shall apply to groundwater withdrawals in the State.”) that reasonable use does not include water used “wastefully,” 525 ILCS 45/4.

The Applicant’s Water Source Management Plan completely ignores these requirements and the supplemental material provided does nothing to rectify this deficiency. It fails to indicate a reasonable set of methods that it will employ to minimize groundwater withdrawals and, even worse, fails to indicate that the applicant undertook any effort at all to consider minimizing its water use in designing its operations.

The Applicant proposes to utilize its own water wells and, therefore, does not have the disincentive of paying on a per-gallon basis or having transportation costs to limit over-consumption. Further supporting this concern is the fact that the Applicant’s proposed operations appear to be especially wasteful in its proposed water use. The Water Source Management Plan proposes to use a total of 7,500,000 gallons of local groundwater in its treatment operations. This quantity is a full 50% greater than what the Department itself considers to be the “most commonly reliable figure” for a HVHHF of from “4.4 to 5 million gallons per well.”

No justification is given in either the original application or the Supplemental Data by the Applicant for this exceptionally large water use or why it should not be deemed wasteful in violation of Illinois’ reasonable use doctrine for groundwater withdrawals. Such exceptionally large water consumption is particularly significant in White County, as this water will be removed from three (3) groundwater wells located in fairly shallow sand and gravel aquifers that can be rapidly depleted. Illinois has already had two significant droughts in the last 10 years. The Woolsey application indicates it plans on withdrawing the bulk of its water in the summer months when drought conditions and aquifer depletion are at their highest.
Because of the failure to address any methods or alternatives to minimize its water usage, the application must be denied for the failure to meet the requirements for Water Source Management Plans. If the Plan would be approved on this basis, the practical result would be to write the minimization requirement of Section 1-35(b)(10)(C) of the Act out of the state’s statutes and to lose all its intended benefits for the people of Illinois, especially the farmers of White County.

Section 11 Well Site Safety Plan

The Schematic of Well Pad & HVHHF Flow Back Operations in Figure 2.1 shows 3 flow back fluid storage tanks. By contrast, the Water Source Management Plan lists 6 flow back fluid storage tanks, each with a 21,000 gallon capacity. If the schematic is correct, on site storage for flow back fluid is reduced to 63,000 gallons.

• **Comments and Questions:**
  o Which is correct?
  o Regardless of which is correct, see the comment made in section 9(f). When Woolsey anticipates 7.5 million gallons of frac fluid, have they demonstrated that their proposed flowback storage is adequate?
  o Figure 2-4: Site Waterways Setback on Page 14 states it is 3700' to the nearest perennial stream. The original Well Site Setback plan illustrates at least 5 "non-perennial streams". Who designates these streams as "non-perennial" and what precautions is Woolsey proposing to ensure safety regarding these streams?

Page 117 of the 164 page Well Site Safety Plan has a table listing examples of "Permissible Heat Exposure TLV" (Threshold Limit Values).

• **Comment/Question:** Will adequate personnel be on duty at all appropriate times to accommodate this schedule?

Concerning Attachment E: Fugitive Dust Control Plan:

**Comments/Questions:**

• **Note:** There are multiple mentions of "observed", "substantial fugitive dust". Is there a definition of "substantial fugitive dust"?

• **Section 2.7 "Dust Control On Paved Roads"** – What provisions have been made to ensure the “Wheel Wash” they describe will be installed and monitored at the location named?

Section 2.10 “Control of Other Air Emissions”: Under the heading “Appropriate emission”, it states that "Low-Sulfur Diesel will be used when possible."

**Comment/Question:**

• Who and what determines when it is possible? IDNR should require they burn Low - Sulfur Diesel at all times. Availability is not an issue.

Section 12: The Containment Plan

Page 2 of this section states: “During flow back operations the tanks located within the area of the wellsite will also be surrounded by a dike capable of holding 150% of the total volume of the single largest container or tank within a common secondary containment area. The secondary containment will be inspected as required by 245.820.”

**Comment:**

• The potential volume of flow back fluid should be the determinate of dyke size, not the volume of any single container on site to temporarily hold flow back fluids.
Section 12: Casing & Cementing Plan

Page 2 of this section states: “Prior to setting and cementing of the casing the IDNR’s District Office will be contacted by phone and electronic mail of the planned operation to enable an inspector to be present.”

**Comments/Questions**
- Will IDNR have an inspector present?
- How will this be documented?

The Woolsey addendum goes on to state: “Pursuant to 245.550, prior to drilling out the casing shoe, a Blow Out Preventer (BOP) shall be installed on the well by certified personal” (sic). “Prior to testing the BOP, IDNR’s District Office will be contacted by phone and electronic mail of the planned operation to enable an inspector to be present when the tests are performed.

**Comments/Questions**
- Will IDNR have an inspector present?
- How will this be documented?

On the bottom of page 2 and continuing onto page 3 of this section, the addendum states: “Prior to setting and cementing of the casing the IDNR’s District Office will be contacted by phone and electronic mail of the planned operation to enable an inspector to be present.”

**Comments/Questions**
- Will IDNR have an inspector present?
- How will this be documented?

On page 3 of this section, the addendum states: “Prior to testing the casing the IDNR’s District Office will be contacted by phone and electronic mail of the planned operation to enable an inspector to be present. The casing will be tested using brine to fill the casing and pressure tested to 70% of its minimum internal yield for 30 minutes.

**Comments/Questions:**
- Will IDNR have an inspector present?
- How will this be documented?

Section 16: Public Notice

Page 1 of this section states: “If necessary, a public hearing is scheduled for the 02 day of August, 2017….”

**Comments/Questions:**
- Who determines if it is “necessary”?
- Who will be allowed to testify? What type of testimony will be allowed?
- Are there parameters in place for such a hearing? If yes, What are they?
Illinois Department of Natural Resources Illinois Department of Natural Resources IL

Dear Illinois Department of Natural Resources,

I urge you to protect Illinois’ natural resources and our public health and safety by denying Woolsey Operating Company LLC’s well permit application (HVHHF Review #: 000001).

Hundreds of studies have shown that the practice of hydraulic fracturing pollutes our air, water and soil with toxic, carcinogenic and radioactive materials.

Even without any severe accident (such as the Woolsey well explosion in Fairfield in 2014), we know through air sampling, water testing and infrared footage that fracked wells leak. The proposed well site is within one mile of at least 5 known oil wells, and Woolsey Oil Corporation has a plan to flare excess methane, exposing the area nearby to toxins.

Do not sacrifice the health of Illinoisans and our natural resources for a toxic industry. Please deny the Woolsey Operating Company fracked well permit.

Sincerely,

Ms. Jo Ann Potashnick
Dear Illinois Department of Natural Resources,

I am writing these comments in regards to the application from Woolsey Operating Company, LLC for a permit under the Hydraulic Fracturing Regulatory Act (HFRA), assigned to Review Number HVHHF-000001. The proposed well (Woodrow #1H-310408-193) in White County, Illinois would threaten public health and safety and the permit application contains a number of issues highlighted below.

The application is woefully lacking in data and information required by the Illinois legislature and Illinois DNR under the rules and regulations of the HFRA that are designed to protect public health and the environment, and so cannot be approved as submitted. For example, the permit application does not give the exact location of the two disposal wells. The locations should be given with GPS coordinates so that the public knows exactly where these wells are located.

From the information that is provided, a number of concerns arise, including but not limited to:

1. The application requests exceptionally large water withdrawals from groundwater resources that are very susceptible to depletion, and fails to include plans to recycle water or otherwise minimize water consumption.
2. The application significantly underestimates flowback volumes, and plans for inadequate containment facilities for even that amount of flowback and other chemicals/wastes that the application does estimate.
3. The application conceals information on hazardous fracking chemicals without attempting to demonstrate entitlement to trade secret protection.
4. The application includes inadequate insurance for the well, with insurance that excludes the very types of damages to private landowners' property that should be protected.
5. The operations as described in the application would fail to preserve topsoil, and the stormwater management plan is inadequate.
6. The application plans for deficient surface and groundwater sampling. Adequate sampling must be required to protect important water sources.

Thank you for your attention to my comments. Illinois DNR should reject the company's inadequate permit application that fails to protect our health and environment.

Sincerely,

Jo Ann Potashnick

This message was sent by KnowWho, as a service provider only, on behalf of the individual noted in the sender information.
 Jun 16, 2017

Illinois Department of Natural Resources

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Do not sacrifice the health of Illinoisans and our natural resources for a toxic industry. Please deny the Woolsey Operating Company fracked well permit.

Sincerely,

Mrs. Kimberly Potucek
Dear Illinois Department of Natural Resources,

I urge you to protect Illinois' natural resources and our public health and safety by denying Woolsey Operating Company LLC's well permit application (HVHHF Review #: 000001).

Hundreds of studies have shown that the practice of hydraulic fracturing pollutes our air, water and soil with toxic, carcinogenic and radioactive materials.

Even without any severe accident (such as the Woolsey well explosion in Fairfield in 2014), we know through air sampling, water testing and infrared footage that fracked wells leak. The proposed well site is within one mile of at least 5 known oil wells, and Woolsey Oil Corporation has a plan to flare excess methane, exposing the area nearby to toxins.

Do not sacrifice the health of Illinoisans and our natural resources for a toxic industry. Please deny the Woolsey Operating Company fracked well permit.

Sincerely,

Ms. Patricia Poulin
Dear Illinois Department of Natural Resources,

I am writing these comments in regards to the application from Woolsey Operating Company, LLC for a permit under the Hydraulic Fracturing Regulatory Act (HFRA), assigned to Review Number HVHHF-000001. The proposed well (Woodrow #1H-310408-193) in White County, Illinois would threaten public health and safety and the permit application contains a number of issues highlighted below.

The application is woefully lacking in data and information required by the Illinois legislature and Illinois DNR under the rules and regulations of the HFRA that are designed to protect public health and the environment, and so cannot be approved as submitted. For example, the permit application does not give the exact location of the two disposal wells. The locations should be given with GPS coordinates so that the public knows exactly where these wells are located.

From the information that is provided, a number of concerns arise, including but not limited to:

1. The application requests exceptionally large water withdrawals from groundwater resources that are very susceptible to depletion, and fails to include plans to recycle water or otherwise minimize water consumption.
2. The application significantly underestimates flowback volumes, and plans for inadequate containment facilities for even that amount of flowback and other chemicals/wastes that the application does estimate.
3. The application conceals information on hazardous fracking chemicals without attempting to demonstrate entitlement to trade secret protection.
4. The application includes inadequate insurance for the well, with insurance that excludes the very types of damages to private landowners' property that should be protected.
5. The operations as described in the application would fail to preserve topsoil, and the stormwater management plan is inadequate.
6. The application plans for deficient surface and groundwater sampling. Adequate sampling must be required to protect important water sources.

Thank you for your attention to my comments. Illinois DNR should reject the company's inadequate permit application that fails to protect our health and environment.

Sincerely,

Kathleen Powell

This message was sent by KnowWho, as a service provider only, on behalf of the individual noted in the sender information.
Jun 16, 2017

Illinois Department of Natural Resources Illinois Department of Natural Resources IL

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I urge you to protect Illinois' natural resources and our public health and safety by denying Woolsey Operating Company LLC's well permit application (HVHHF Review #: 000001).

Hundreds of studies have shown that the practice of hydraulic fracturing pollutes our air, water and soil with toxic, carcinogenic and radioactive materials.

Even without any severe accident (such as the Woolsey well explosion in Fairfield in 2014), we know through air sampling, water testing and infrared footage that fracked wells leak. The proposed well site is within one mile of at least 5 known oil wells, and Woolsey Oil Corporation has a plan to flare excess methane, exposing the area nearby to toxins.

Do not sacrifice the health of Illinoisans and our natural resources for a toxic industry. Please deny the Woolsey Operating Company fracked well permit.

Sincerely,

Ms. Cathy Power
I am writing on behalf of ONE Northside and Fair Economy Illinois regarding the The Woolsey application for a High Volume Hydraulic Fracturing Permit.

The Woolsey application is woefully inadequate. There were overarching generalities and deficiencies in the application, not to mention problems where information was actually provided.

We continue to have a concern regarding Woolsey’s capability to adhere to the letter or spirit of the Hydraulic Fracturing Regulatory Act (HFRA). They clearly demonstrated their inability to complete a full and complete initial application to engage in high volume horizontal fracking. They were essentially given an “open book” test with the passage of the HFRA and have demonstrated they still can’t pass that test without extensive help on the part of the Department, the environmental community and the public through written comments. We believe they have demonstrated that they lack both the capacity and willingness to comply with the law. As such, we assert that they should not be granted a permit to engage in fracking in the state of Illinois.

Sincerely,

[Name]
ONE Northside/Fair Economy Illinois

Specific comments included below reference the documents contained in the Woolsey Permit Application HVHHF-000001 and are in relation to the regulations outlined in the Hydraulic Fracturing Regulatory Act, 225 ILCS 732, unless otherwise indicated.

**COMMENTS**

**Directional Drilling Plan- Document 3**

1. Directional Drilling Plan- The drilling lengths and depths submitted in the Plan do not match the depth in the scaled cross-section. There is also a discrepancy in angle of the non-vertical portion of the wellbore. If Woolsey cannot provide accurate information in their application, how can we trust them to drill in our state?

**Underground Freshwater Information- Document 4**

2. Inadequate Determination of Underground Freshwater - No Geological Survey Data submitted- Section 245.210(a)(5) requires reference to the Illinois State Geological Survey with regard to its proposed drilling. This is critical to insure that freshwater will not be contaminated. Woolsey has failed to provide this information.

3. Inadequate Evidence to Establish the Lowest Potential Fresh Water - Again, Woolsey has failed to provide this information. As such a clear potential exists that fresh water could exist below the drilling depth in a lower formation.

**HVHHF Operations Plan - Document 5**

4. Failure to Clearly Identify Formation to be Stimulated - The permit fails to clearly identify the formation that will be stimulated or fracked by the operation other than to state that the “drilling objective” is the New Albany Shale but later refers to the “objective” being the “Grassy Creek” shale and, later still, describes the “reservoir zone”, and the Semier Shale as the “frac barrier.” These terms are not synonymous and therefore both confusing and inadequate.

5. Failure to Clearly Identify the Confining Zone - Section 245.210(a)(6) requires the Applicant to specifically identify and describe the formation or formations that constitute the “confining zone” for the proposed well. The application fails to meet this requirement. In fact, it fails to use this term at all in its application.

6. Missing Data - There is no information, data, or calculations supplied on either a micro-seismic study or the “historic” use to support whether the identification of the “frac barriers” is technically sound. The application
contains no information on which a reliable conclusion can be reliably drawn regarding a confining zone or “frac barrier” and the Application is therefore inadequate and must be denied.

7. Confusing Data- The Role of the Selmier Shale is listed as both a “drilling objective” and a “frac barrier” (confining zone?) in the application. It cannot serve two purposes. It is either a drilling objective or a confining zone.

8. Inadequate Information- Fracturing Pressure- The fracturing pressure of the “producing zone” is given as 2,875 psi. Yet three separate formations are mentioned as “drilling objectives.” The same psi for all three would not be used.

9. Missing Data- Surface Training Pressure Range- This information is entirely missing.

10. No information on the Vertical Propagation of Fractures - One of the most important safety features established in the Hydraulic Fracturing Regulatory Act is the requirement that the susceptibility for vertical propagation of fractures in the confining zone and the formations contributing to that zone, are accurately determined and stated in the application, Section 245.210(a)(6)(A). The Document completely fails to satisfy this safeguard. The singular sentence it does provide fails to articulate a conclusion that the well plans are adequate and effective. On this basis alone, the permit should be denied.

11. Missing Data-No information on extent, water or water source, is provided for any formation and no thickness information is provided for the three formations constituting the New Albany Shale.

12. Data on Transmissive Faults Lacking - The potential for transmissive faults contiguous to HVHHF wells is a major public health and safety concern and is therefore a specific requirement for analysis in Section 245.210(a)(6)(A). However, no specific information or reliable analysis on this important feature is provided in the Document. No information on the scope, lateral extent, depth or sophistication of this survey is provided.

Chemical Disclosure Report- Document 7

13. Chemical Disclosure Plan The Document explicitly states that no trade secrecy claim will be made in connection with the chemicals proposed for use in the Application. That assertion is untrue. The Chemical and Proppant List includes the Corrosion Inhibitor Cronox AK-50 and six of its constituent chemicals supplied by vendor Baker Hughes. However, Section 3 of the Safety Data Sheet for Cronox AK-50 on “Composition/Information on Ingredients” lists ten constituent chemicals. The four chemicals in Cronox AK-50 that Applicant fails to identify in its Chemical and Proppant List:

1) Oxyalkylated alkylphenol (10-20% of total mixture),
2) Fatty acids (5-10% of total mixture),
3) Complex alkylaryl poly-o-ester (5-10% of total mixture) and
4) Acetylenic alcohol (1-5% of total mixture).

All four of these constituent chemicals have their Chemical Abstract Service Number concealed on the Safety Data Sheet for the stated reason of “Trade Secret.”

Water Source Management Plan- Document 9

14. Failure to Propose Methods to Minimize Water Withdrawals One of the most important public safeguards of the Hydraulic Fracturing Regulatory Act is the mandate in Section 1-35(b)(10)(C) that an applicant must specify in the Application’s Water Source Management Plan: “the methods to be used to minimize water withdrawals as much as feasible.” This requirement is carried over directly into Section 245.210(a)(10)(A)(iv). To meet the literal wording of this statement requires that the Applicant consider a reasonable range of methods to reduce its water consumption and select those withdrawal minimization methods and alternatives that are appropriate to its proposed operation. Not only do the rules specifically require consideration of minimization alternatives, but an Application should also satisfy the “reasonable use” doctrine of groundwater use adopted in the Illinois Water Use Act of 1983 at 525 ILCS 45/6 (“The rule of “reasonable use” shall apply to groundwater withdrawals in the State.”) that reasonable use does not include water used “wastefully,” 525 ILCS 45/4. The Applicant’s Water Source Management Plan completely ignores these requirements. It fails to indicate a reasonable set of methods that it will employ to minimize groundwater withdrawals and, even worse, fails to indicate that the applicant undertook any effort at all to consider minimizing its water use in designing its operations.

This is a special concern in this Application where the Applicant proposes to utilize its own water wells and does not have the disincentive of paying on a per-gallon basis or having transportation costs to limit over-
consumption. Further supporting this concern is the fact that the Applicant’s proposed operations appear to be especially wasteful in its proposed water use. The Water Source Management Plan proposes to use a total of 7,500,000 gallons of local groundwater in its treatment operations. This quantity is a full 50% greater than what the Department itself considers to be the “most commonly reliable figure” for a HVHHF of from “4.4 to 5 million gallons per well.”

No justification is given by the Applicant for this exceptionally large water use or why it should not be deemed wasteful in violation of Illinois’ reasonable use doctrine for groundwater withdrawals. Such exceptionally large water consumption is particularly significant in White County, as this water will be removed from three (3) groundwater wells located in fairly shallow sand and gravel aquifers that can be rapidly depleted. Illinois has already had two significant droughts in the last 10 years. The Woolsey application indicates it plans on withdrawing the bulk of its water in the summer months when drought conditions and aquifer depletion are at their highest.

The Applicant’s failure to address its minimization duty is further compounded by its apparent failure to consider use of recycled water for its operation. Its only consideration of recycled water use is a single sentence in its Water Source Management Plan that “Backflow will not commence until injection in all frac stages has been completed, thus there will be no opportunity for use of recycled water in the hydraulic fracture completion.”

Concern about the inadequacy of Applicant’s efforts to minimize water use is further reinforced by plan’s only stated “method” for avoiding the wasting of water, i.e., that it will limit the potential for leakage on-site through the use of piping rather than trucking and keeping the piping limited in length. This claim is far too insubstantial to meet the General Assembly’s intention for an effective effort at water minimization; this is a basic design consideration that is only being puffed up to masquerade as genuine water conservation efforts. Indeed, if leak management was seriously intended, there would be a leak prevention and management plan put in place. There is none.

The only way that the Applicant can satisfy its duty of “reasonable use” of the state’s groundwater and the regulatory requirement to “minimize water withdrawals as much as feasible” is to undertake a review of alternatives and to use the one that utilizes the least water, provided there is no adequately supported business reason to use a more wasteful alternative. Nothing in the Document indicates that such an effort has been undertaken. The Application therefore cannot be approved because the Applicant has not shown that its efforts at minimizing water use are adequate and effective.

Because of the failure to address any methods or alternatives to minimize its water usage, the application must be denied for the failure to meet the requirements for Water Source Management Plans. If the Plan would be approved on this basis, the practical result would be to write the minimization requirement of Section 1-35(b)(10)(C) of the Act out of the state’s statutes and to lose all its intended benefits for the people of Illinois, especially the farmers of White County.

15. Will there be a Fourth Well Drilled by the Applicant on Site- The Applicant’s Water Source Management Plan explicitly provides that it will involve three water wells to supply 7,500,000 gallons of water for the base fluid of the hydraulic fracturing operation. However, the Applicant’s Water Quality Monitoring Plan (Document 21) contains the following statement on page 7:

The water sources included under this plan include both underground aquifers (one existing and 3 proposed HVHHF water supply wells) and a surface water body (a stock pond). A fourth potentially required water supply well may be drilled, and, if completed, will be included in this monitoring program. (emphasis added)

Apparently, Woolsey does not intend to be bound by its Water Source Management Plan and reserves discretion to modify it for its own undisclosed purposes in a manner that might increase its already high levels of water consumption. However, the clear intent of the Hydraulic Fracturing Regulatory Act is to make these plans binding. Accordingly, the Department should require that the reference highlighted above to a possible fourth well be deleted from the Water Quality Monitoring Plan and the Applicant expressly limited to the three wells proposed in the Water Source Management Plan, provided a valid consideration of minimization methods and alternatives does not reduce that number even further (see previous comment).
16. Inadequate information on Fracturing Fluids- The Applicant’s Hydraulic Fracturing Fluids and Flowback Plan contains barely a full page of information and either completely neglects or is patently vague on numerous items of required information. Equally unacceptable, it contains no supporting information for the conclusory statements it does make. Specifically, none of the information required by paragraph (b) of the Department’s form regarding fracturing fluid is provided as the only information stated in the Applicant’s plan is on flowback. Accordingly, the Application is incomplete and must be returned to the Applicant to provide the paragraph (b) required information on “injection schedule, flow rate, reuse volume, storage, any treatment and total volume in detail.”

17. Unrealistic Rate of Flowback Recovery Proposed- The application states an anticipated 4-5,000 barrels of flowback will be recovered but fails to give information on how this number was calculated. The number proposed in the application is 2.8% of the total estimated to be utilized. This is substantially less (5.4 to 7.1 times less) than the average amount of flowback highlighted by the Ohio DNR for fracking, which is 15-20% of the total volume used. If the Ohio numbers are correct, Woolsey will have dramatically underestimated it’s needs for storage capacity and transport. Woolsey must be required to quantify how it arrived at its numbers or be denied a permit on this basis.

18. Inadequate Information on Storage Tanks- The application states that the storage tanks will meet the qualities for the “purpose built.” There is no identification as to the number of storage tanks, which will be critical in light of the above comment, nor is there information on the rate/frequency for emptying the tanks. These are all inadequate.

19. No Testing Plan for Flowback Water- This is required by law but missing in the application. This is such a critical feature that the permit application should be denied on this basis alone.

20. Use of Earthen Containment Berms- The plan states that the flowback storage tanks will be “enclosed by earthen containment berms which will be of sufficient size to contain all of the possible flow back fluid temporary storage volume.” No information is provided regarding the engineering properties or layout of these earthen berms. Earthen berms are inadequate for site containment. And, as identified in previous comments, if the flowback calculation is closer to Ohio DNR’s numbers, the storage proposed will be completely inadequate.

21. No Clarity for NORM Sampling to Undefined “Black Shale”- Section 3.2.10 of the Wellsite Safety Plan addresses Naturally Occurring Radioactive Material (“NORM”). This section limits the drill cuttings to be tested for radioactivity to “black shale.” Although this phrase is used in the regulations, it is not defined there or in the Safety Plan, nor at any other point in the Application. Accordingly, what is considered the “black shale” subject to this testing requirement is unspecified. The Plan should therefore be amended to identify the specific geologic formations that the Applicant considers to be “black shale,” in the vicinity of its proposed well, including the formation depth, so the extent of sampling will be clear.

22. Safety Considerations of the General Public- There is virtually no consideration given to the safety of members of the general public that may be in the site’s vicinity. This is unacceptable and a permit should be denied on this basis.

Containment Plan- Document 12

23. The Containment Plan is completely inadequate. It fails to provide specific information on capacity and design. Please see previous comments on the inadequacy of the “earthen containment berms and the lack of specificity in the number of containment tanks especially in light of the (probably) underestimated amount of flowback.

Casing and Cementing Plan- Document 13

24. Missing Information in the Casing and Cementing Plan- The casing and cementing plan does not address the requirements labeled in Document 13 regarding the potential for earthquakes. The application is therefore incomplete and must either be amended by the applicant or denied by IDNR. Furthermore, the casing and cementing plan is completely inadequate to meet Illinois’ regulations. It does not include the detail required by the HFRA and cannot be approved without this critical information.
25. Traffic Avoidance of the Wabash River- The application plan fails to address the need to avoid road traffic of hazardous materials in proximity to the Wabash River, a public water supply source.

26. The Certificate of insurance is insufficient to meet the requirements set by the HFRA and should be denied on that basis.

27. Failure to Specify Earthquake or Floodplain Hazard

28. Topsoil Plan Inadequate- The Department’s form requires that the Topsoil Preservation Plan must be provided with “detail.” (“Please detail the plan to stockpile, stabilize . . . any topsoil and subsoil . . . “). No information is provided as to the amount of soil (top or sub) that will be stockpiled. The level of negligible detail that IS provided, seems more like an effort to expend the least possible effort and expense in handling the soil by just spreading it around the site. Accordingly, it does not appear to be a “preservation” plan at all given this lack of detail.

29. Inadequate Water Quality Monitoring Plan- The HFRA section governing Water Quality Monitoring is over six pages in length and is specific as to what is required in an approvable plan. The applicant plan is completely inadequate in addressing everything required for in the HFRA. For example, the applicant’s monitoring plan does not identify a single specific sampling point. Similarly the groundwater section is also generic. This is unacceptable and the application should be denied on this basis.

30. Data Analysis Procedure Plan Inadequate- The laboratory tests require an interpretation of the test results and for that purpose, the Applicant concludes its Water Quality Monitoring Plan with a section titled “Data Analysis Procedures.” The Section is completely generic and does not actually provide such analytic procedures, thus rendering the Application incomplete. Instead of supplying an actual data analysis plan, the Applicant merely states that “the method to be used under this plan is based on (emphasis added) U.S. EPA methodology established for the assessment of contaminants in environmental samples, and is described in Chapter 9 of U.S. EPA publication 846. We plan to use a data analysis plan based on that methodology.” Accordingly, no plan is proposed that can be evaluated during the public comment period and the Application is incomplete. There is no valid reason why such a plan cannot be presented for comment now. Without it, the application must be denied.

31. Water Quality Monitoring Work Plan is not “independent”- The "Water Quality Monitoring Work Plan" calls for an "independent third party" to collect and sample water to establish baseline measurements of water quality and quantity. The Water Quality Monitoring Work Plan also tasks an "independent third party" to collect and sample water for years into the future. The Water Quality Monitoring Work Plan application states Shawnee Professional Services will collect water samples to establish baseline measurements. Shawnee Professional Services has a conflict of interest. Mitch Garret owner of Shawnee Professional Services was a founder of a pro fracking group formed in Johnson County to fight the non-binding resolution "A Community Bill of Rights" in the spring of 2014. The pro fracking group felt so threatened by the non-binding "A Community Bill of Rights" resolution that one of its first acts was to "convince" The Vienna Times newspaper, three weeks prior to the vote, to refuse all anti fracking advertisement, articles and letters to the editor. To leave the ultimate "public interest" in the hands of a company owned by Mitch Garret is to not understand the meaning of independent third party.

32. Lack of Clarification on “Black Shale” subject to sampling- As stated in the previous comments under Document 11, the Wellsite Safety Plan, the phrase “black shale” is not defined in the regulations and the extent
of sampling thereof is uncertain. Please confirm what geologic formations you consider to be in the “black shale” that will be tested pursuant to this requirement.

33. Need to Clarify If Filters Will Be Used and Tested for Radioactivity.- One of the most serious sources for radioactive contamination is from filters used at hydraulic fracturing sites and disposal sites. No mention is made of filters in the Application or of the specific type of equipment to be used on-site. The Applicant must state whether any filters will be utilized on-site and if so, how they will be managed.

Bond - Document 27

34. Insufficient bond- The bond amount identified in the application is in the amount of $50,000 which is the amount for a single well, not a blanket bond. In the approximate center of the bond is a box captioned with: “ONLY COMPLETE IF BOND IS FOR INDIVIDUAL WELL OR PERMIT.” The information to be entered in this box for an individual well gives locational and identifying information for the well covered, but the Applicant fails to provide any of that information. The Applicant must either provide a new Bond with this information or provide an explanation for why the Bond is incomplete and does not identify the well addressed in the Application.

Section 09 Water Source Management Plan

(f) Identify the methods to be used to minimize impact to aquatic life.

Comment: Woolsey reports that they anticipate injecting 7.5 million gallons of Frac fluid in part (d) of this section. But their onsite capacity for flowback is identified as 126,000 gallons. How can 7.5 million gallons come back as 126,000? Woolsey has no back up plan if this storage capacity proves too small.

(g) Identify the methods to be used to minimize withdrawals as much as feasible.

Comment: Woolsey states that it is “not in the interest of the applicant to overuse water in the HVHHF process” but it nowhere in their comments do they explain the methods it will use to minimize withdrawals. One of the most important public safeguards of the Hydraulic Fracturing Regulatory Act is the mandate in Section 1-35(b)(10)(C) that an applicant must specify in the Application’s Water Source Management Plan: “the methods to be used to minimize water withdrawals as much as feasible.” This requirement is carried over directly into Section 245.210(a)(10)(A)(iv). To meet the literal wording of this statement requires that the Applicant consider a reasonable range of methods to reduce its water consumption and select those withdrawal minimization methods and alternatives that are appropriate to its proposed operation. Not only do the rules specifically require consideration of minimization alternatives, but an Application should also satisfy the “reasonable use” doctrine of groundwater use adopted in the Illinois Water Use Act of 1983 at 525 ILCS 45/6 (“The rule of “reasonable use” shall apply to groundwater withdrawals in the State.”) that reasonable use does not include water used “wastefully,” 525 ILCS 45/4.

The Applicant’s Water Source Management Plan completely ignores these requirements and the supplemental material provided does nothing to rectify this deficiency. It fails to indicate a reasonable set of methods that it will employ to minimize groundwater withdrawals and, even worse, fails to indicate that the applicant undertook any effort at all to consider minimizing its water use in designing its operations.

The Applicant proposes to utilize its own water wells and, therefore, does not have the disincentive of paying on a per-gallon basis or having transportation costs to limit over-consumption. Further supporting this concern is the fact that the Applicant’s proposed operations appear to be especially wasteful in its proposed water use. The Water Source Management Plan proposes to use a total of 7,500,000 gallons of local groundwater in its treatment operations. This quantity is a full 50% greater than what the Department itself considers to be the “most commonly reliable figure” for a HVHHF of from “4.4 to 5 million gallons per well.”

No justification is given in either the original application or the Supplemental Data by the Applicant for this exceptionally large water use or why it should not be deemed wasteful in violation of Illinois’ reasonable use doctrine for groundwater withdrawals. Such exceptionally large water consumption is particularly significant in White County, as this water will be removed from three (3) groundwater wells located in fairly shallow sand and gravel aquifers that can be rapidly depleted. Illinois has already had two significant droughts in the last 10 years. The Woolsey application indicates it plans on withdrawing the bulk of its water in the summer months when drought conditions and aquifer depletion are at their highest.

Because of the failure to address any methods or alternatives to minimize its water usage, the application must be denied for the failure to meet the requirements for Water Source Management Plans. If the Plan would be
approved on this basis, the practical result would be to write the minimization requirement of Section 1-35(b)(10)(C) of the Act out of the state’s statutes and to lose all its intended benefits for the people of Illinois, especially the farmers of White County.

Section 11 Well Site Safety Plan

The Schematic of Well Pad & HVHHF Flow Back Operations in Figure 2.1 shows 3 flow back fluid storage tanks. By contrast, the Water Source Management Plan lists 6 flow back fluid storage tanks, each with a 21,000 gallon capacity. If the schematic correct, on site storage for flow back fluid is reduced to 63,000 gallons.

- Comments and Questions:
  - o Which is correct?
  - o Regardless of which is correct, see the comment made in section 9(f). When Woolsey anticipates 7.5 million gallons of frac fluid, have they demonstrated that their proposed flowback storage is adequate?
  - o Figure 2-4: Site Waterways Setback on Page 14 states it is 3700' to the nearest perennial stream. The original Well Site Setback plan illustrates at least 5 "non-perennial streams". Who designates these streams as "non-perennial" and what precautions is Woolsey proposing to ensure safety regarding these streams?

Page 117 of the 164 page Well Site Safety Plan has a table listing examples of "Permissible Heat Exposure TLV" (Threshold Limit Values).

- Comment/Question: Will adequate personnel be on duty at all appropriate times to accommodate this schedule?

Concerning Attachment E: Fugitive Dust Control Plan:

Comments/Questions:

- Note: There are multiple mentions of "observed", "substantial fugitive dust". Is there a definition of "substantial fugitive dust"?
- Section 2.7 "Dust Control On Paved Roads" – What provisions have been made to ensure the “Wheel Wash” they describe will be installed and monitored at the location named?
- Section 2.10 “Control of Other Air Emissions”: Under the heading “Appropriate emission”, it states that "Low-Sulfur Diesel will be used when possible."

Comment/Question:

- Who and what determines when it is possible? IDNR should require they burn Low - Sulfur Diesel at all times. Availability is not an issue.

Section 12: The Containment Plan

Page 2 of this section states: “During flow back operations the tanks located within the area of the wellsite will also be surrounded by a dike capable of holding 150% of the total volume of the single largest container or tank within a common secondary containment area. The secondary containment will be inspected as required by 245.820.”

Comment:

- The potential volume of flow back fluid should be the determinate of dyke size, not the volume of any single container on site to temporarily hold flow back fluids.

Section 12: Casing & Cementing Plan

Page 2 of this section states: “Prior to setting and cementing of the casing the IDNR’s District Office will be contacted by phone and electronic mail of the planned operation to enable an inspector to be present.”

Comments/Questions

- Will IDNR have an inspector present?
- How will this be documented?

The Woolsey addendum goes on to state: “Pursuant to 245.550, prior to drilling out the casing shoe, a Blow Out Preventer (BOP) shall be installed on the well by certified personal” (sic). “Prior to testing the BOP, IDNR’s District Office will be contacted by phone and electronic mail of the planned operation to enable an inspector to be present when the tests are performed.

Comments/Questions

- Will IDNR have an inspector present?
- How will this be documented?
On the bottom of page 2 and continuing onto page 3 of this section, the addendum states: “Prior to setting and cementing of the casing the IDNR’s District Office will be contacted by phone and electronic mail of the planned operation to enable an inspector to be present.”

Comments/Questions
· Will IDNR have an inspector present?
· How will this be documented?

On page 3 of this section, the addendum states: “Prior to testing the casing the IDNR’s District Office will be contacted by phone and electronic mail of the planned operation to enable an inspector to be present. The casing will be tested using brine to fill the casing and pressure tested to 70% of its minimum internal yield for 30 minutes.

Comments/Questions:
· Will IDNR have an inspector present?
· How will this be documented?

Section 16: Public Notice

Page 1 of this section states: “If necessary, a public hearing is scheduled for the 02 day of August, 2017…."

Comments/Questions:
· Who determines if it is “necessary”?
· Who will be allowed to testify? What type of testimony will be allowed?
· Are there parameters in place for such a hearing? If yes, What are they?
Dear Illinois Department of Natural Resources,

I urge you to protect Illinois' natural resources and our public health and safety by denying Woolsey Operating Company LLC's well permit application (HVHHF Review #: 000001).

Hundreds of studies have shown that the practice of hydraulic fracturing pollutes our air, water and soil with toxic, carcinogenic and radioactive materials.

Even without any severe accident (such as the Woolsey well explosion in Fairfield in 2014), we know through air sampling, water testing and infrared footage that fracked wells leak. The proposed well site is within one mile of at least 5 known oil wells, and Woolsey Oil Corporation has a plan to flare excess methane, exposing the area nearby to toxins.

Do not sacrifice the health of Illinoisans and our natural resources for a toxic industry. Please deny the Woolsey Operating Company fracked well permit.

Sincerely,

Mrs. Lori Powers
June 24, 2017

Illinois Department of Natural Resources Illinois Department of Natural Resources IL

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Sincerely,

Mrs. Mary Jo Powers
Dear Illinois Department of Natural Resources,

I am writing these comments in regards to the application from Woolsey Operating Company, LLC for a permit under the Hydraulic Fracturing Regulatory Act (HFRA), assigned to Review Number HVHHF-000001. The proposed well (Woodrow #1H-310408-193) in White County, Illinois would threaten public health and safety and the permit application contains a number of issues highlighted below.

The application is woefully lacking in data and information required by the Illinois legislature and Illinois DNR under the rules and regulations of the HFRA that are designed to protect public health and the environment, and so cannot be approved as submitted. For example, the permit application does not give the exact location of the two disposal wells. The locations should be given with GPS coordinates so that the public knows exactly where these wells are located.

From the information that is provided, a number of concerns arise, including but not limited to:

1. The application requests exceptionally large water withdrawals from groundwater resources that are very susceptible to depletion, and fails to include plans to recycle water or otherwise minimize water consumption.
2. The application significantly underestimates flowback volumes, and plans for inadequate containment facilities for even that amount of flowback and other chemicals/wastes that the application does estimate.
3. The application conceals information on hazardous fracking chemicals without attempting to demonstrate entitlement to trade secret protection.
4. The application includes inadequate insurance for the well, with insurance that excludes the very types of damages to private landowners' property that should be protected.
5. The operations as described in the application would fail to preserve topsoil, and the stormwater management plan is inadequate.
6. The application plans for deficient surface and groundwater sampling. Adequate sampling must be required to protect important water sources.

Thank you for your attention to my comments. Illinois DNR should reject the company's inadequate permit application that fails to protect our health and environment.

Sincerely,

Nanette Powers

This message was sent by KnowWho, as a service provider only, on behalf of the individual noted in the sender information.
Brown, Ronda

From: Julie Prandi
Sent: Tuesday, June 27, 2017 11:24 AM
To: DNR.HFPublicComments
Subject: [External] HVHHF-000001

I am writing to urge IDNR to deny the Woolsey HVHHF #000001 application for a variety of reasons. I especially seek to highlight the problems with groundwater management and waste water containment.

Doc. 4: Underground Freshwater

- Although Section 245.210(a)(5) of HFRA requires reference to the Illinois State Geological Survey, Woolsey has provided no geological survey data.

- A clear potential exists that fresh water could exist below the drilling depth in a lower formation. Woolsey has not provided this information.

Doc. 9: Water Source Management

- The Hydraulic Fracturing Regulatory Act mandates in Section 1-35(b)(10)(C) that an applicant must specify in the Application’s Water Source Management Plan: “the methods to be used to minimize water withdrawals as much as feasible.” This requirement is carried over directly into Section 245.210(a)(10)(A)(iv).

- The Applicant’s Water Source Management omits the mention of a reasonable set of methods that it will employ to minimize groundwater withdrawals and, in addition, fails to indicate that the applicant undertook any effort at all to consider minimizing its water use in designing its operations.

- The Water Source Management Plan proposes to use a total of 7,500,000 gallons of local groundwater in its treatment operations. This is wasteful of a valuable public water resource. This quantity is a full 50% greater than what the Department itself considers to be the “most commonly reliable figure” for a HVHHF of from “4.4 to 5 million gallons per well.” Illinois has already had two significant droughts in the last 10 years. The Woolsey application indicates it plans on withdrawing the bulk of its water in the summer months when drought conditions and aquifer depletion are at their highest.

Doc. 10: Hydraulic Fracturing Fluids and Flowback Plan

- The plan states that the flowback storage tanks will be “enclosed by earthen containment berms which will be of sufficient size to contain all of the possible flow back fluid temporary storage volume.” No information is provided regarding the engineering properties or layout of these earthen berms. Earthen berms are inadequate for site containment. It is likely that the storage proposed will be completely inadequate.

- The application anticipates 4-5,000 barrels of flowback will be recovered but fails to state how this number was calculated. The number proposed in the application is 2.8% of the total estimated to be utilized. This is substantially less (5.4 to 7.1 times less) than the average amount of flowback highlighted by the Ohio DNR for fracking, which is 15-20% of the total volume used. If the Ohio numbers are correct, Woolsey will have dramatically underestimated it’s needs for storage capacity and transport. Woolsey must be required to quantify how it arrived at its numbers or be denied a permit on this basis.
The Woolsey application for a High Volume Hydraulic Fracturing Permit is the first application since the passage of the Hydraulic Fracturing Regulatory Act on 6/17/13. It does not meet the standards already enshrined in law, and until these standards are met, the permit should be denied.

Julie Prandi
Dear Illinois Department of Natural Resources,

I urge you to protect Illinois' natural resources and our public health and safety by denying Woolsey Operating Company LLC's well permit application (HVHHF Review #: 000001).

Hundreds of studies have shown that the practice of hydraulic fracturing pollutes our air, water and soil with toxic, carcinogenic and radioactive materials.

Even without any severe accident (such as the Woolsey well explosion in Fairfield in 2014), we know through air sampling, water testing and infrared footage that fracked wells leak. The proposed well site is within one mile of at least 5 known oil wells, and Woolsey Oil Corporation has a plan to flare excess methane, exposing the area nearby to toxins.

Do not sacrifice the health of Illinoisans and our natural resources for a toxic industry. Please deny the Woolsey Operating Company fracked well permit.

Sincerely,

Ms. Allison Preble
Brown, Ronda

From: Margaret Prechel  Sent You a Personal Message <automail@knowwho.com>
Sent: Saturday, June 24, 2017 8:13 AM
To: DNR.HFPublicComments
Subject: [External] Review Number HVHHF-000001

Dear Illinois Department of Natural Resources,

I am writing these comments in regards to the application from Woolsey Operating Company, LLC for a permit under the Hydraulic Fracturing Regulatory Act (HFRA), assigned to Review Number HVHHF-000001. The proposed well (Woodrow #1H-310408-193) in White County, Illinois would threaten public health and safety and the permit application contains a number of issues highlighted below.

The application is woefully lacking in data and information required by the Illinois legislature and Illinois DNR under the rules and regulations of the HFRA that are designed to protect public health and the environment, and so cannot be approved as submitted. For example, the permit application does not give the exact location of the two disposal wells. The locations should be given with GPS coordinates so that the public knows exactly where these wells are located.

From the information that is provided, a number of concerns arise, including but not limited to:

1. The application requests exceptionally large water withdrawals from groundwater resources that are very susceptible to depletion, and fails to include plans to recycle water or otherwise minimize water consumption.
2. The application significantly underestimates flowback volumes, and plans for inadequate containment facilities for even that amount of flowback and other chemicals/wastes that the application does estimate.
3. The application conceals information on hazardous fracking chemicals without attempting to demonstrate entitlement to trade secret protection.
4. The application includes inadequate insurance for the well, with insurance that excludes the very types of damages to private landowners' property that should be protected.
5. The operations as described in the application would fail to preserve topsoil, and the stormwater management plan is inadequate.
6. The application plans for deficient surface and groundwater sampling. Adequate sampling must be required to protect important water sources.

Thank you for your attention to my comments. Illinois DNR should reject the company's inadequate permit application that fails to protect our health and environment.

Sincerely,

Margaret Prechel

This message was sent by KnowWho, as a service provider only, on behalf of the individual noted in the sender information.
Jun 17, 2017

Illinois Department of Natural Resources Illinois Department of Natural Resources IL

Dear Illinois Department of Natural Resources,

I urge you to protect Illinois' natural resources and our public health and safety by denying Woolsey Operating Company LLC’s well permit application (HVHHF Review #: 000001).

Hundreds of studies have shown that the practice of hydraulic fracturing pollutes our air, water and soil with toxic, carcinogenic and radioactive materials.

Even without any severe accident (such as the Woolsey well explosion in Fairfield in 2014), we know through air sampling, water testing and infrared footage that fracked wells leak. The proposed well site is within one mile of at least 5 known oil wells, and Woolsey Oil Corporation has a plan to flare excess methane, exposing the area nearby to toxins.

Do not sacrifice the health of Illinoisans and our natural resources for a toxic industry. Please deny the Woolsey Operating Company fracked well permit.

Sincerely,

Mrs. Denise Pretet
Brown, Ronda

From: Susan Pribyl Sent You a Personal Message <automail@knowwho.com>
Sent: Friday, June 30, 2017 11:54 AM
To: DNR.HFPublicComments
Subject: [External] Review Number HVHHF-000001

Dear Illinois Department of Natural Resources,

I am writing these comments in regards to the application from Woolsey Operating Company, LLC for a permit under the Hydraulic Fracturing Regulatory Act (HFRA), assigned to Review Number HVHHF-000001. The proposed well (Woodrow #1H-310408-193) in White County, Illinois would threaten public health and safety and the permit application contains a number of issues highlighted below.

The application is woefully lacking in data and information required by the Illinois legislature and Illinois DNR under the rules and regulations of the HFRA that are designed to protect public health and the environment, and so cannot be approved as submitted. For example, the permit application does not give the exact location of the two disposal wells. The locations should be given with GPS coordinates so that the public knows exactly where these wells are located.

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6. The application plans for deficient surface and groundwater sampling. Adequate sampling must be required to protect important water sources.

Thank you for your attention to my comments. Illinois DNR should reject the company's inadequate permit application that fails to protect our health and environment.

Sincerely,

Susan Pribyl

This message was sent by KnowWho, as a service provider only, on behalf of the individual noted in the sender information.
Dear Illinois Department of Natural Resources,

I am writing these comments in regards to the application from Woolsey Operating Company, LLC for a permit under the Hydraulic Fracturing Regulatory Act (HFRA), assigned to Review Number HVHHF-000001. The proposed well (Woodrow #1H-310408-193) in White County, Illinois would threaten public health and safety and the permit application contains a number of issues highlighted below.

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Thank you for your attention to my comments. Illinois DNR should reject the company's inadequate permit application that fails to protect our health and environment.

Sincerely,

Elizabeth Price
This message was sent by KnowWho, as a service provider only, on behalf of the individual noted in the sender information.
Dear Illinois Department of Natural Resources,

I am writing these comments in regards to the application from Woolsey Operating Company, LLC for a permit under the Hydraulic Fracturing Regulatory Act (HFRA), assigned to Review Number HVHHF-000001. The proposed well (Woodrow #1H-310408-193) in White County, Illinois would threaten public health and safety and the permit application contains a number of issues highlighted below.

The application is woefully lacking in data and information required by the Illinois legislature and Illinois DNR under the rules and regulations of the HFRA that are designed to protect public health and the environment, and so cannot be approved as submitted. For example, the permit application does not give the exact location of the two disposal wells. The locations should be given with GPS coordinates so that the public knows exactly where these wells are located.

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6. The application plans for deficient surface and groundwater sampling. Adequate sampling must be required to protect important water sources.

Thank you for your attention to my comments. Illinois DNR should reject the company's inadequate permit application that fails to protect our health and environment.

Sincerely,

Jean Prieboy

This message was sent by KnowWho, as a service provider only, on behalf of the individual noted in the sender information.
Jun 16, 2017

Illinois Department of Natural Resources
Illinois Department of Natural Resources
IL

Dear Illinois Department of Natural Resources,

I urge you to protect Illinois' natural resources and our public health and safety by denying Woolsey Operating Company LLC's well permit application (HVHHF Review #: 000001).

Hundreds of studies have shown that the practice of hydraulic fracturing pollutes our air, water and soil with toxic, carcinogenic and radioactive materials.

Even without any severe accident (such as the Woolsey well explosion in Fairfield in 2014), we know through air sampling, water testing and infrared footage that fracked wells leak. The proposed well site is within one mile of at least 5 known oil wells, and Woolsey Oil Corporation has a plan to flare excess methane, exposing the area nearby to toxins.

Do not sacrifice the health of Illinoisans and our natural resources for a toxic industry. Please deny the Woolsey Operating Company fracked well permit.

Sincerely,

Ms. Kim Pritchard
Jun 17, 2017

Illinois Department of Natural Resources Illinois Department of Natural Resources IL

Dear Illinois Department of Natural Resources,

I urge you to protect Illinois' natural resources and our public health and safety by denying Woolsey Operating Company LLC's well permit application (HVHHF Review #: 000001).

Hundreds of studies have shown that the practice of hydraulic fracturing pollutes our air, water and soil with toxic, carcinogenic and radioactive materials.

Even without any severe accident (such as the Woolsey well explosion in Fairfield in 2014), we know through air sampling, water testing and infrared footage that fracked wells leak. The proposed well site is within one mile of at least 5 known oil wells, and Woolsey Oil Corporation has a plan to flare excess methane, exposing the area nearby to toxins.

Do not sacrifice the health of Illinoisans and our natural resources for a toxic industry. Please deny the Woolsey Operating Company fracked well permit.

Sincerely,

Ms. Patricia Pruitt
Dear Illinois Department of Natural Resources,

I am writing these comments in regards to the application from Woolsey Operating Company, LLC for a permit under the Hydraulic Fracturing Regulatory Act (HFRA), assigned to Review Number HVHHF-000001. The proposed well (Woodrow #1H-310408-193) in White County, Illinois would threaten public health and safety and the permit application contains a number of issues highlighted below.

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6. The application plans for deficient surface and groundwater sampling. Adequate sampling must be required to protect important water sources.

Thank you for your attention to my comments. Illinois DNR should reject the company's inadequate permit application that fails to protect our health and environment.

Sincerely,

Susan Pryble

This message was sent by KnowWho, as a service provider only, on behalf of the individual noted in the sender information.
To the Illinois Department of Natural Resources, Attention: Oil and Gas Regulatory Staff:

This permit needs to be struck down. No fracking in Illinois!! We live on a fault line, fracking has been proved to cause earthquakes...this is extremely dangerous! Put the money into renewable resources instead! No to the fracking permit!
Brown, Ronda

From: Mandy Puchalski <automail@knowwho.com>
Sent: Sunday, July 16, 2017 4:57 AM
To: DNR.HFPublicComments
Subject: [External] Review Number HVHHF-000001

Dear Illinois Department of Natural Resources,

I am writing these comments in regards to the application from Woolsey Operating Company, LLC for a permit under the Hydraulic Fracturing Regulatory Act (HFRA), assigned to Review Number HVHHF-000001. The proposed well (Woodrow #1H-310408-193) in White County, Illinois would threaten public health and safety and the permit application contains a number of issues highlighted below.

The application is woefully lacking in data and information required by the Illinois legislature and Illinois DNR under the rules and regulations of the HFRA that are designed to protect public health and the environment, and so cannot be approved as submitted. For example, the permit application does not give the exact location of the two disposal wells. The locations should be given with GPS coordinates so that the public knows exactly where these wells are located.

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6. The application plans for deficient surface and groundwater sampling. Adequate sampling must be required to protect important water sources.

Thank you for your attention to my comments. Illinois DNR should reject the company's inadequate permit application that fails to protect our health and environment.

Sincerely,

Mandy Puchalski

This message was sent by KnowWho, as a service provider only, on behalf of the individual noted in the sender information.
Jun 16, 2017

Illinois Department of Natural Resources Illinois Department of Natural Resources IL

Dear Illinois Department of Natural Resources,

I urge you to protect Illinois' natural resources and our public health and safety by denying Woolsey Operating Company LLC's well permit application (HVHHF Review #: 000001).

Hundreds of studies have shown that the practice of hydraulic fracturing pollutes our air, water and soil with toxic, carcinogenic and radioactive materials.

Even without any severe accident (such as the Woolsey well explosion in Fairfield in 2014), we know through air sampling, water testing and infrared footage that fracked wells leak. The proposed well site is within one mile of at least 5 known oil wells, and Woolsey Oil Corporation has a plan to flare excess methane, exposing the area nearby to toxins.

Do not sacrifice the health of Illinoisans and our natural resources for a toxic industry. Please deny the Woolsey Operating Company fracked well permit.

Sincerely,

Mrs. Linda Wachter Puetz
Brown, Ronda

From:  Food & Water Watch <act@fwwatch.org> on behalf of Candace Pullano <act@fwwatch.org>
Sent:  Friday, June 16, 2017 12:48 PM
To:    DNR.HFPublicComments
Subject: [External] Public Comment regarding HVHHF Review #:0001

Jun 16, 2017

Illinois Department of Natural Resources Illinois Department of Natural Resources IL

Dear Illinois Department of Natural Resources,

Our short-sightedness with regard to energy and profits have caused more problems with our air, water, soil and climate than we can handle.
Please do not add to the toxicity by allowing fracking in our state!
Not only would this be disastrous for our citizens but it is the WRONG direction for our energy needs. Renewable, clean energy is what the vast majority of our citizens want. Please do the right thing.

I urge you to protect Illinois' natural resources and our public health and safety by denying Woolsey Operating Company LLC's well permit application (HVHHF Review #: 000001).

Hundreds of studies have shown that the practice of hydraulic fracturing pollutes our air, water and soil with toxic, carcinogenic and radioactive materials.

Even without any severe accident (such as the Woolsey well explosion in Fairfield in 2014), we know through air sampling, water testing and infrared footage that fracked wells leak. The proposed well site is within one mile of at least 5 known oil wells, and Woolsey Oil Corporation has a plan to flare excess methane, exposing the area nearby to toxins.

Do not sacrifice the health of Illinoisans and our natural resources for a toxic industry. Please deny the Woolsey Operating Company fracked well permit.

Sincerely,

Ms. Candace Pullano
From: Deb Pusinelli
Sent: Thursday, June 01, 2017 2:40 PM
To: DNR.HFPublicComments
Subject: [External] Please do not approve permit #HVHHF-000001d

Dear Governor Rauner and all those involved,
Please do not approve the permit #HVHHF-000001 for hydraulic fracturing. For the sake of the children and residents of the state we need to take care of our atrial resources and water supply. Thank you for working for the best interest of Illinois residents.
Sincerely,
Deborah Pusinelli
Dear Illinois Department of Natural Resources,

I am writing these comments in regards to the application from Woolsey Operating Company, LLC for a permit under the Hydraulic Fracturing Regulatory Act (HFRA), assigned to Review Number HVHHF-000001. The proposed well (Woodrow #1H-310408-193) in White County, Illinois would threaten public health and safety and the permit application contains a number of issues highlighted below.

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6. The application plans for deficient surface and groundwater sampling. Adequate sampling must be required to protect important water sources.

Thank you for your attention to my comments. Illinois DNR should reject the company's inadequate permit application that fails to protect our health and environment.

Sincerely,

Deborah Pusinelli
Dear Illinois Department of Natural Resources,

I am writing these comments in regards to the application from Woolsey Operating Company, LLC for a permit under the Hydraulic Fracturing Regulatory Act (HFRA), assigned to Review Number HVHHF-000001. The proposed well (Woodrow #1H-310408-193) in White County, Illinois would threaten public health and safety and the permit application contains a number of issues highlighted below.

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6. The application plans for deficient surface and groundwater sampling. Adequate sampling must be required to protect important water sources.

7. I have family in Oklahoma, This state is not getting hundreds of earthquakes a year when it use to be just a few. This is due to the Fracking activity and shows substantial modification of the pressures under the ground. The relief of these pressures is done through earthquakes which are neither planned for or accounted for in the proposal. This is another example of externalized costs like polluted ground water, or depleted ground water. We should not bare those externalized costs so some company can make profits. Either they handle all those costs or they should not be allowed to frack in Illinois (or any other State).

Thank you for your attention to my comments. Illinois DNR should reject the company's inadequate permit application that fails to protect our health and environment.

Sincerely,

John Putnam
This message was sent by KnowWho, as a service provider only, on behalf of the individual noted in the sender information.
Jun 16, 2017

Illinois Department of Natural Resources Illinois Department of Natural Resources IL

Dear Illinois Department of Natural Resources,

I urge you to protect Illinois' natural resources and our public health and safety by denying Woolsey Operating Company LLC's well permit application (HVHHF Review #: 000001).

Hundreds of studies have shown that the practice of hydraulic fracturing pollutes our air, water and soil with toxic, carcinogenic and radioactive materials.

Even without any severe accident (such as the Woolsey well explosion in Fairfield in 2014), we know through air sampling, water testing and infrared footage that fracked wells leak. The proposed well site is within one mile of at least 5 known oil wells, and Woolsey Oil Corporation has a plan to flare excess methane, exposing the area nearby to toxins. Do not allow fracking in Illinois.

Do not sacrifice the health of Illinoisans and our natural resources for a toxic industry. Please deny the Woolsey Operating Company fracked well permit.

Sincerely,

Ms. Stacey Pyne
Dear Illinois Department of Natural Resources,

I am writing these comments in regards to the application from Woolsey Operating Company, LLC for a permit under the Hydraulic Fracturing Regulatory Act (HFRA), assigned to Review Number HVHHF-000001. The proposed well (Woodrow #1H-310408-193) in White County, Illinois would threaten public health and safety and the permit application contains a number of issues highlighted below.

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Thank you for your attention to my comments. Illinois DNR should reject the company's inadequate permit application that fails to protect our health and environment.

Sincerely,

Richard Quigley

This message was sent by KnowWho, as a service provider only, on behalf of the individual noted in the sender information.
TO: Illinois Department of Natural Resources  
Oil and Gas Regulatory Staff  
Review Number (HVHHF-000001)

I am writing to you as a concerned layperson and property owner who lives a few miles from the Illinois border in west central Indiana. This area also lies in the Wabash Valley seismic zone, associated with the New Madrid seismic faults.

I oppose the granting of a High Volume Hydraulic Fracturing permit to Woolsey Operating Company, LLC; indeed, I support a ban on all fracking in Illinois and across the United States because of concerns about public safety and environmental damage.

Fracking has been a gigantic science experiment, not conducted in a laboratory, but in our country. Governors, state geologists, regulatory staff, and most especially corporate representatives assure the public that “all is well” and “there is no problem with fracking.” Then groundwater contamination and earthquakes occur until finally the cause—fracking—can’t be denied any longer (see: Oklahoma).

I’m 75 and I hope I don’t live to see earthquakes cause devastation here or in Evansville where my relatives live; in a few years I won’t be around to see or to complain about it. But I worry about the next generation, and about the future of our country and this part of the Midwest. Will our descendants ask, shaking their heads, “What were these people thinking? How could they be so foolish? Did they really think their economic gain from oil and natural gas was more important than our land and our lives?”

Thanks for taking public objections and concerns seriously. I urge you to reject this application.

Alice M. Quinlan
Dear Illinois Department of Natural Resources,

I am writing these comments in regards to the application from Woolsey Operating Company, LLC for a permit under the Hydraulic Fracturing Regulatory Act (HFRA), assigned to Review Number HVHHF-000001. The proposed well (Woodrow #1H-310408-193) in White County, Illinois would threaten public health and safety and the permit application contains a number of issues highlighted below.

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Thank you for your attention to my comments. Illinois DNR should reject the company's inadequate permit application that fails to protect our health and environment.

Sincerely,

Mary Quinlan

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Dear Illinois Department of Natural Resources,

I am writing these comments in regards to the application from Woolsey Operating Company, LLC for a permit under the Hydraulic Fracturing Regulatory Act (HFRA), assigned to Review Number HVHHF-000001. The proposed well (Woodrow #1H-310408-193) in White County, Illinois would threaten public health and safety and the permit application contains a number of issues highlighted below.

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6. The application plans for deficient surface and groundwater sampling. Adequate sampling must be required to protect important water sources.

Thank you for your attention to my comments. Illinois DNR should reject the company's inadequate permit application that fails to protect our health and environment.

Sincerely,

Sharon Quintero

This message was sent by KnowWho, as a service provider only, on behalf of the individual noted in the sender information.
To whom it may concern:

I'd like to register my express opposition to allowing fracking in Illinois (review number HVHF-000001. In addition to being a key driver of climate change, fracking wreaks havoc on nearby communities whose air, soil, and - especially - water is compromised by leaking natural gas. Illinois must remain a place where residents have a right to a clean and healthy environment, and fracking is the antithesis of that goal. Please ensure that permits to frack do not move forward in this State.

Celia
Dear Illinois Department of Natural Resources,

I urge you to protect Illinois' natural resources and our public health and safety by denying Woolsey Operating Company LLC's well permit application (HVHHF Review #: 000001).

Hundreds of studies have shown that the practice of hydraulic fracturing pollutes our air, water and soil with toxic, carcinogenic and radioactive materials.

Even without any severe accident (such as the Woolsey well explosion in Fairfield in 2014), we know through air sampling, water testing and infrared footage that fracked wells leak. The proposed well site is within one mile of at least 5 known oil wells, and Woolsey Oil Corporation has a plan to flare excess methane, exposing the area nearby to toxins.

Do not sacrifice the health of Illinoisans and our natural resources for a toxic industry. Please deny the Woolsey Operating Company fracked well permit.

Sincerely,

Mr. Ken Raab
Dear Illinois Department of Natural Resources,

I am writing these comments in regards to the application from Woolsey Operating Company, LLC for a permit under the Hydraulic Fracturing Regulatory Act (HFRA), assigned to Review Number HVHHF-000001. The proposed well (Woodrow #1H-310408-193) in White County, Illinois would threaten public health and safety and the permit application contains a number of issues highlighted below.

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Sincerely,

Ann Rabin

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Dear Illinois Department of Natural Resources,

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Sincerely,

Barbara Racana

This message was sent by KnowWho, as a service provider only, on behalf of the individual noted in the sender information.
Dear Illinois Department of Natural Resources,

I urge you to protect Illinois' natural resources and our public health and safety by denying Woolsey Operating Company LLC's well permit application (HVHHF Review #: 000001).

Hundreds of studies have shown that the practice of hydraulic fracturing pollutes our air, water and soil with toxic, carcinogenic and radioactive materials. Even without any severe accident (such as the Woolsey well explosion in Fairfield in 2014), we know through air sampling, water testing and infrared footage that fracked wells leak. The proposed well site is within one mile of at least 5 known oil wells, and Woolsey Oil Corporation has a plan to flare excess methane, exposing the area nearby to toxins.

Do not sacrifice the health of Illinoisans and our natural resources for a toxic industry. Please deny the Woolsey Operating Company fracked well permit.

Sincerely,

Mr. Joseph Racine

Food & Water Watch <act@fwwatch.org> on behalf of Joseph Racine <act@fwwatch.org>
Sent: Friday, June 16, 2017 1:41 PM
To: DNR.HFPublicComments
Subject: [External] Public Comment regarding HVHHF Review #:000001
Jun 20, 2017

Illinois Department of Natural Resources Illinois Department of Natural Resources IL

Dear Illinois Department of Natural Resources,

Please follow New York’s data drive. decusio. to disallow fracking.
Please deny Woolsey Operating Company LLC’s well permit application (HVHHF Review #: 000001).

Hundreds of studies have shown that the practice of hydraulic fracturing pollutes our air, water and soil with toxic, carcinogenic and radioactive materials.

Even without any severe accident (such as the Woolsey well explosion in Fairfield in 2014), we know through air sampling, water testing and infrared footage that fracked wells leak. The proposed well site is within one mile of at least 5 known oil wells, and Woolsey Oil Corporation has a plan to flare excess methane, exposing the area nearby to toxins.

I have friends in Oklahoma who have experienced earthquakes following fracking where there were never tectonic reactions before. Likewise, I know people whose water has been compromised.

Do not sacrifice the health of Illinoisans and our natural resources for a toxic industry. Please deny the Woolsey Operating Company fracked well permit.

Sincerely,

Dr. Kimberly Radek
Dear Illinois Department of Natural Resources,

I am writing these comments in regards to the application from Woolsey Operating Company, LLC for a permit under the Hydraulic Fracturing Regulatory Act (HFRA), assigned to Review Number HVHHF-000001. The proposed well (Woodrow #1H-310408-193) in White County, Illinois would threaten public health and safety and the permit application contains a number of issues highlighted below.

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Sincerely,

Kathy Ragan

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Dear Illinois Department of Natural Resources,

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Thank you for your attention to my comments. Illinois DNR should reject the company's inadequate permit application that fails to protect our health and environment.

Sincerely,

Margo Rager

This message was sent by KnowWho, as a service provider only, on behalf of the individual noted in the sender information.
Jun 16, 2017

Illinois Department of Natural Resources Illinois Department of Natural Resources IL

Dear Illinois Department of Natural Resources,

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Sincerely,

Mr. Michael Rahaman
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Sincerely,

Michael Rahaman

This message was sent by KnowWho, as a service provider only, on behalf of the individual noted in the sender information.
Brown, Ronda

From: Cynthia Ralls [automail@knowwho.com] Sent You a Personal Message <automail@knowwho.com>
Sent: Friday, June 23, 2017 6:16 PM
To: DNR.HFPublicComments
Subject: [External] Review Number HVHHF-000001

Dear Illinois Department of Natural Resources,

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Sincerely,

Cynthia Ralls

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