

**Brown, Ronda**

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**From:** Food & Water Watch <act@fwwatch.org> on behalf of Susan Nowicki <act@fwwatch.org>  
**Sent:** Saturday, June 17, 2017 1:43 PM  
**To:** DNR.HFPublicComments  
**Subject:** [External] Public Comment regarding HVHHF Review #:000001

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



## Brown, Ronda

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**From:** Patricia Nuccio [REDACTED] Sent You a Personal Message <automail@knowwho.com>  
**Sent:** Friday, June 23, 2017 9:24 PM  
**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.

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  
[REDACTED]

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



## Brown, Ronda

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**From:** Don Nuenthel [REDACTED] Sent You a Personal Message <automail@knowwho.com>  
**Sent:** Friday, June 23, 2017 3:42 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,

Don Nuenthel  
[REDACTED]

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

**Brown, Ronda**

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**From:** Erin Haddad-Null <info@actionnetwork.org>  
**Sent:** Friday, June 23, 2017 1:02 PM  
**To:** DNR.HFPublicComments  
**Subject:** [External] Public Comment regarding HVHHF Review #:000001

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. 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

[Redacted signature block]

## Brown, Ronda

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**From:** Linda Nyberg [REDACTED] Sent You a Personal Message <automail@knowwho.com>  
**Sent:** Sunday, June 25, 2017 7:35 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,

Linda Nyberg  
[REDACTED]

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

## Brown, Ronda

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**From:** Barbara Oakes [REDACTED] Sent You a Personal Message <automail@knowwho.com>  
**Sent:** Friday, June 23, 2017 5:38 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,

Barbara Oakes  
[REDACTED]

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

## Brown, Ronda

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**From:** Food & Water Watch <act@fwwatch.org> on behalf of Sarah Oaks <act@fwwatch.org>  
**Sent:** Friday, June 16, 2017 1:11 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,

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. Sarah Oaks





## Brown, Ronda

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**From:** Jean O'Brien [REDACTED] Sent You a Personal Message <automail@knowwho.com>  
**Sent:** Thursday, July 13, 2017 1:51 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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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,

Jean O'Brien  
[REDACTED]

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

## Brown, Ronda

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**From:** Karen O'Brien [REDACTED] Sent You a Personal Message  
<automail@knowwho.com>  
**Sent:** Friday, June 30, 2017 10:23 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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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 O'Brien  
[REDACTED]

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

**Brown, Ronda**

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**From:** Food & Water Watch <act@fwwatch.org> on behalf of Lawrence OBRIEN <act@fwwatch.org>  
**Sent:** Friday, June 16, 2017 11:12 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.

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. Lawrence OBRIEN



## Brown, Ronda

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**From:** Food & Water Watch <act@fwwatch.org> on behalf of Annette O'Connell <act@fwwatch.org>  
**Sent:** Friday, June 16, 2017 2:18 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.

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, please stop this!

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. Annette O'Connell



## Brown, Ronda

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**From:** Food & Water Watch <act@fwwatch.org> on behalf of Chris Oconnell <act@fwwatch.org>  
**Sent:** Friday, June 16, 2017 1:11 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,

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. Chris Oconnell



**Brown, Ronda**

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**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

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. Gertrude O'Connor



## Brown, Ronda

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**From:** Robert ODaniel [REDACTED]  
**Sent:** Wednesday, July 05, 2017 8:46 AM  
**To:** DNR.HFPublicComments  
**Subject:** [External] Woolsley Operating

- 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 II 62844  
Ph: 618.375.3841 I M 618.384.7615

[robert.odaniel@doverals.com](mailto:robert.odaniel@doverals.com) | [doverals.com](http://doverals.com)

**Brown, Ronda**

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**From:** Food & Water Watch <act@fwwatch.org> on behalf of Tracy ODowd <act@fwwatch.org>  
**Sent:** Thursday, June 22, 2017 8:46 PM  
**To:** DNR.HFPublicComments  
**Subject:** [External] Public Comment regarding HVHHF Review #:000001

Jun 22, 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. Tracy ODowd





## Brown, Ronda

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**From:** Ryan Ogden [REDACTED] Sent You a Personal Message <automail@knowwho.com>  
**Sent:** Friday, June 23, 2017 8:20 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,

Ryan Ogden  
[REDACTED]

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

## Brown, Ronda

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**From:** Kathleen Ogundipe [REDACTED] Sent You a Personal Message  
<automail@knowwho.com>  
**Sent:** Sunday, June 25, 2017 2:28 PM  
**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,

Kathleen Ogundipe  
[REDACTED]

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

## Brown, Ronda

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**From:** Food & Water Watch <act@fwwatch.org> on behalf of Kristen Ohara <act@fwwatch.org>  
**Sent:** Wednesday, June 21, 2017 11:15 PM  
**To:** DNR.HFPublicComments  
**Subject:** [External] Public Comment regarding HVHHF Review #:000001

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.

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



## Brown, Ronda

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**From:** Mary Ohara [REDACTED]  
**Sent:** Wednesday, July 26, 2017 2:31 PM  
**To:** DNR.HFPublicComments  
**Subject:** [External] HVHHF-000001 comment

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 [REDACTED]

## Brown, Ronda

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**From:** Regan O'Kane <info@actionnetwork.org>  
**Sent:** Friday, June 23, 2017 12:58 PM  
**To:** DNR.HFPublicComments  
**Subject:** [External] Public Comment regarding HVHHF Review #:000001

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

[REDACTED]  
[REDACTED]  
[REDACTED]

## Brown, Ronda

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**From:** Mary O'Kiersey [REDACTED] Sent You a Personal Message <automail@knowwho.com>  
**Sent:** Sunday, June 25, 2017 10:42 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.

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,

Mary O'Kiersey  
[REDACTED]

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

## Brown, Ronda

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**From:** Carrie Olds [REDACTED] Sent You a Personal Message <automail@knowwho.com>  
**Sent:** Friday, June 23, 2017 8:06 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.

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,

Carrie Olds  
[REDACTED]

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



## Brown, Ronda

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**From:** Food & Water Watch <act@fwwatch.org> on behalf of Mark Oles <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.

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. Mark Oles



## Brown, Ronda

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**From:** Mark Oles [REDACTED] Sent You a Personal Message <automail@knowwho.com>  
**Sent:** Saturday, June 24, 2017 6:04 PM  
**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.

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.

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

Sincerely,

Mark Oles  
[REDACTED]

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

## Brown, Ronda

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**From:** Carol A. Olsen [REDACTED] Sent You a Personal Message <automail@knowwho.com>  
**Sent:** Friday, June 23, 2017 3:17 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.

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,

Carol A. Olsen  
[REDACTED]

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

## Brown, Ronda

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**From:** Food & Water Watch <act@fwwatch.org> on behalf of Elinore Olsen <act@fwwatch.org>  
**Sent:** Friday, June 16, 2017 2:18 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.

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



## Brown, Ronda

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**From:** Food & Water Watch <act@fwwatch.org> on behalf of Thea Olsen <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).

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



## Brown, Ronda

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**From:** Food & Water Watch <act@fwwatch.org> on behalf of David Olson <act@fwwatch.org>  
**Sent:** Monday, June 26, 2017 7:07 PM  
**To:** DNR.HFPublicComments  
**Subject:** [External] Public Comment regarding HVHHF Review #:000001

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. 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



## Brown, Ronda

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**From:** Jessica Olson [REDACTED] Sent You a Personal Message  
<automail@knowwho.com>  
**Sent:** Tuesday, June 27, 2017 11:49 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,

Jessica Olson  
[REDACTED]

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



## Brown, Ronda

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**From:** Teresa Omert [REDACTED] Sent You a Personal Message <automail@knowwho.com>  
**Sent:** Friday, June 23, 2017 3:20 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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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,

Teresa Omert  
[REDACTED]

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

## Brown, Ronda

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

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,

Linda Onbekent  
[REDACTED]

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

**Brown, Ronda**

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**From:** Food & Water Watch <act@fwwatch.org> on behalf of Timothy O'Neil <act@fwwatch.org>  
**Sent:** Sunday, June 18, 2017 9:45 AM  
**To:** DNR.HFPublicComments  
**Subject:** [External] Public Comment regarding HVHHF Review #:000001

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. 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



## Brown, Ronda

---

**From:** Toni Oplt [REDACTED] Sent You a Personal Message <automail@knowwho.com>  
**Sent:** Wednesday, July 12, 2017 7:12 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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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,

Toni Oplt  
[REDACTED]

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 Toni Oplt <act@fwwatch.org>  
**Sent:** Tuesday, June 20, 2017 4:16 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,

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



## Brown, Ronda

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**From:** Toni OpIt [REDACTED] Sent You a Personal Message <automail@knowwho.com>  
**Sent:** Wednesday, June 28, 2017 10:52 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.

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,

Toni OpIt  
[REDACTED]

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





## Brown, Ronda

---

**From:** Toni Oplt [REDACTED] 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.

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,

Toni Oplt  
[REDACTED]

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

## Brown, Ronda

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**From:** Food & Water Watch <act@fwwatch.org> on behalf of Lisa Orbon <act@fwwatch.org>  
**Sent:** Thursday, June 22, 2017 3:46 PM  
**To:** DNR.HFPublicComments  
**Subject:** [External] Public Comment regarding HVHHF Review #:000001

Jun 22, 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. Lisa Orbon



## Brown, Ronda

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**From:** Food & Water Watch <act@fwwatch.org> on behalf of Melissa Oresky <act@fwwatch.org>  
**Sent:** Friday, June 16, 2017 10:42 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.

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



## Brown, Ronda

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**From:** Dominic Orlando [REDACTED] Sent You a Personal Message  
<automail@knowwho.com>  
**Sent:** Friday, June 23, 2017 5:01 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:

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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,

Dominic Orlando  
[REDACTED]

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

## Brown, Ronda

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**From:** Food & Water Watch <act@fwwatch.org> on behalf of Sue Orlet <act@fwwatch.org>  
**Sent:** Saturday, June 17, 2017 4:51 PM  
**To:** DNR.HFPublicComments  
**Subject:** [External] Public Comment regarding HVHHF Review #:000001

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. Sue Orlet



## Brown, Ronda

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**From:** Food & Water Watch <act@fwwatch.org> on behalf of Mitchell Orman <act@fwwatch.org>  
**Sent:** Friday, June 16, 2017 1:11 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,

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



## Brown, Ronda

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**From:** Mitchell Orman [REDACTED] Sent You a Personal Message <automail@knowwho.com>  
**Sent:** Friday, June 23, 2017 3:13 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.

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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,

Mitchell Orman  
[REDACTED]

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



## Brown, Ronda

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**From:** Food & Water Watch <act@fwwatch.org> on behalf of Carol Oros <act@fwwatch.org>  
**Sent:** Friday, June 23, 2017 9:18 AM  
**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).

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. Carol Oros



## Brown, Ronda

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**From:** Nancy Orozco [REDACTED] Sent You a Personal Message  
<automail@knowwho.com>  
**Sent:** Friday, June 23, 2017 5:07 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.
3. The application conceals information on hazardous fracking chemicals without attempting to demonstrate entitlement to trade secret protection.
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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,

Nancy Orozco  
[REDACTED]

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

## Brown, Ronda

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**From:** Food & Water Watch <act@fwwatch.org> on behalf of Deborah Orr <act@fwwatch.org>  
**Sent:** Sunday, June 18, 2017 8:45 AM  
**To:** DNR.HFPublicComments  
**Subject:** [External] Public Comment regarding HVHHF Review #:000001

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,

Ms. Deborah Orr



## Brown, Ronda

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**From:** Deborah Orr [REDACTED] Sent You a Personal Message <automail@knowwho.com>  
**Sent:** Saturday, June 24, 2017 12:18 PM  
**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.

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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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,

Deborah Orr  
[REDACTED]

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

## Brown, Ronda

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**From:** Susan Osada [REDACTED] Sent You a Personal Message <automail@knowwho.com>  
**Sent:** Saturday, July 01, 2017 12:28 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,

Susan Osada  
[REDACTED]

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

## Brown, Ronda

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**From:** Food & Water Watch <act@fwwatch.org> on behalf of Susan Osada <act@fwwatch.org>  
**Sent:** Thursday, June 29, 2017 11:52 PM  
**To:** DNR.HFPublicComments  
**Subject:** [External] Public Comment regarding HVHHF Review #:000001

**Follow Up Flag:** Follow up  
**Flag Status:** Completed

Jun 29, 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. Susan Osada



## Brown, Ronda

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**From:** Food & Water Watch <act@fwwatch.org> on behalf of Teresa Osburn <act@fwwatch.org>  
**Sent:** Friday, June 16, 2017 1:11 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,

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. Teresa Osburn



## Brown, Ronda

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**From:** Teresa Jewett Osburn [REDACTED] Sent You a Personal Message  
<automail@knowwho.com>  
**Sent:** Tuesday, June 27, 2017 9:53 PM  
**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.

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,

Teresa Jewett Osburn  
[REDACTED]



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

## Brown, Ronda

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**From:** Diana Oskroba [REDACTED] Sent You a Personal Message <automail@knowwho.com>  
**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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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,

Diana Oskroba  
[REDACTED]

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

## Brown, Ronda

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**From:** Maryjo Osowski [REDACTED] Sent You a Personal Message <automail@knowwho.com>  
**Sent:** Friday, June 23, 2017 10:36 PM  
**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.

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,

Maryjo Osowski  
[REDACTED]

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

## Brown, Ronda

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**From:** Judith Osterman [REDACTED] Sent You a Personal Message  
<automail@knowwho.com>  
**Sent:** Friday, June 23, 2017 2:45 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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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,

Judith Osterman  
[REDACTED]

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

## Brown, Ronda

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**From:** Food & Water Watch <act@fwwatch.org> on behalf of Leah Ostrar <act@fwwatch.org>  
**Sent:** Friday, June 16, 2017 7:42 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.

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



## Brown, Ronda

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**From:** Janet Ostrowski [REDACTED] Sent You a Personal Message  
<automail@knowwho.com>  
**Sent:** Friday, June 23, 2017 10:24 PM  
**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.

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,

Janet Ostrowski  
[REDACTED]

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 Richard J Osty <act@fwwatch.org>  
**Sent:** Monday, June 26, 2017 2:56 PM  
**To:** DNR.HFPublicComments  
**Subject:** [External] Public Comment regarding HVHHF Review #:000001

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.

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. Richard J Osty





## Brown, Ronda

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**From:** Sarah Otmanski <info@actionnetwork.org>  
**Sent:** Friday, June 23, 2017 12:56 PM  
**To:** DNR.HFPublicComments  
**Subject:** [External] Public Comment regarding HVHHF Review #:000001

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.

Sarah Otmanski

████████████████████  
████████████████████  
████████████████████

## Brown, Ronda

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**From:** Kristen O'Toole [REDACTED]  
**Sent:** Friday, June 02, 2017 10:39 AM  
**To:** DNR.HFPublicComments  
**Subject:** [External] Public Comment for Review Number HVHHF-000001

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 continue moving this way and away from proposals for hydraulic fracturing.

Sincerely,  
Kristen O'Toole  
[REDACTED]

## Brown, Ronda

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**From:** Gretchen Otten [REDACTED] Sent You a Personal Message  
<automail@knowwho.com>  
**Sent:** Sunday, June 25, 2017 5:52 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.
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,

Gretchen Otten  
[REDACTED]

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

## Brown, Ronda

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**From:** Food & Water Watch <act@fwwatch.org> on behalf of Charles Otto <act@fwwatch.org>  
**Sent:** Saturday, June 17, 2017 6:14 PM  
**To:** DNR.HFPublicComments  
**Subject:** [External] Public Comment regarding HVHHF Review #:000001

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,

Mr. Charles Otto



## Brown, Ronda

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**From:** Charles Otto <info@actionnetwork.org>  
**Sent:** Friday, June 23, 2017 4:57 PM  
**To:** DNR.HFPublicComments  
**Subject:** [External] Public Comment regarding HVHHF Review #:000001

Oil & Gas Regulatory Staff,

i'll be seeing you guys on tuesday

Charles Otto

[REDACTED]  
[REDACTED]  
[REDACTED]

## Brown, Ronda

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**From:** Charles Otto [REDACTED] Sent You a Personal Message <automail@knowwho.com>  
**Sent:** Friday, June 23, 2017 5:06 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.

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,

Charles Otto  
[REDACTED]

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

## Brown, Ronda

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**From:** Food & Water Watch <act@fwwatch.org> on behalf of Sean Overton <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,

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. Sean Overton



## Brown, Ronda

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**From:** Sean Overton [REDACTED] Sent You a Personal Message <automail@knowwho.com>  
**Sent:** Friday, June 23, 2017 2:32 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,

Sean Overton  
[REDACTED]

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



## Brown, Ronda

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**From:** Myra Owczarzak [REDACTED] Sent You a Personal Message  
<automail@knowwho.com>  
**Sent:** Monday, June 26, 2017 7:59 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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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,

Myra Owczarzak  
[REDACTED]

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 Linda Owens <act@fwwatch.org>  
**Sent:** Friday, June 16, 2017 9:49 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.

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 Owens



## Brown, Ronda

---

**From:** Linda Owens [REDACTED] Sent You a Personal Message <automail@knowwho.com>  
**Sent:** Friday, June 23, 2017 5:54 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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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  
[REDACTED]

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

**From:** Michelle Oxman [REDACTED]  
**Sent:** Friday, July 28, 2017 1:11 AM  
**To:** DNR.HFPublicComments  
**Subject:** [External] Comments on Permit Application No.

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



## Brown, Ronda

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**From:** Melis Ozkan [REDACTED]  
**Sent:** Monday, June 26, 2017 10:55 AM  
**To:** DNR.HFPublicComments  
**Subject:** [External] Public Comment regarding HVHHF Review #:000001

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.

Melis Ozkan  
[REDACTED]  
[REDACTED]  
[REDACTED]

**Brown, Ronda**

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**From:** Food & Water Watch <act@fwwatch.org> on behalf of Sue Paasch <act@fwwatch.org>  
**Sent:** Saturday, June 17, 2017 8:14 PM  
**To:** DNR.HFPublicComments  
**Subject:** [External] Public Comment regarding HVHHF Review #:000001

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. Sue Paasch



## Brown, Ronda

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**From:** Nicole Pacelli [REDACTED] Sent You a Personal Message <automail@knowwho.com>  
**Sent:** Friday, June 23, 2017 2:32 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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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,

Nicole Pacelli  
[REDACTED]

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



## Brown, Ronda

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**From:** Jen Packheiser [REDACTED] Sent You a Personal Message  
<automail@knowwho.com>  
**Sent:** Saturday, June 24, 2017 10:11 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.

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,

Jen Packheiser  
[REDACTED]

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

**Brown, Ronda**

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**From:** Food & Water Watch <act@fwwatch.org> on behalf of Suzanne Padalino <act@fwwatch.org>  
**Sent:** Friday, June 16, 2017 5:11 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.

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



## Brown, Ronda

---

**From:** Rod [REDACTED]  
**Sent:** Wednesday, June 14, 2017 10:20 AM  
**To:** DNR.HFPublicComments  
**Subject:** [External] Woolsey Operating Company, LLC, Woodrow #1H-310408-193 well

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 fracing is a safe process and has been carried out in the United State 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 dramaqueenery 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  
[REDACTED]

## Brown, Ronda

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**From:** lou padilla [REDACTED] Sent You a Personal Message <automail@knowwho.com>  
**Sent:** Saturday, June 24, 2017 1:51 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.

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,

lou padilla  
[REDACTED]

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

## Brown, Ronda

---

**From:** Jen Pagnini <info@actionnetwork.org>  
**Sent:** Friday, June 23, 2017 3:34 PM  
**To:** DNR.HFPublicComments  
**Subject:** [External] Public Comment regarding HVHHF Review #:000001

**Follow Up Flag:** Follow up  
**Flag Status:** Flagged

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

[REDACTED]  
[REDACTED]  
[REDACTED]

**Brown, Ronda**

---

**From:** Jen [REDACTED]  
**Sent:** Sunday, July 23, 2017 7:26 PM  
**To:** DNR.HFPublicComments  
**Subject:** [External] Public Comments re: HVVHF #000001  
**Attachments:** Public Comments re HVVHF 000001.pdf

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 (HVHVF #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,

[REDACTED]

## Brown, Ronda

---

**From:** Jen [REDACTED]  
**Sent:** Sunday, July 23, 2017 7:26 PM  
**To:** DNR.HFPublicComments  
**Subject:** [External] Public Comments re: HVHHF #000001  
**Attachments:** Public Comments re HVHHF 000001.pdf

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

[REDACTED]  
Sent July 23, 2017



## Brown, Ronda

---

**From:** John Martin [REDACTED] Sent You a Personal Message  
<automail@knowwho.com>  
**Sent:** Saturday, June 24, 2017 11:01 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 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.

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,

John Martin  
[REDACTED]

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

## Brown, Ronda

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**From:** Michael Martin [REDACTED] Sent You a Personal Message  
<automail@knowwho.com>  
**Sent:** Wednesday, July 05, 2017 3:02 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.
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,

Michael Martin  
[REDACTED]

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

## Brown, Ronda

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**From:** Rose Martin [REDACTED] Sent You a Personal Message <automail@knowwho.com>  
**Sent:** Saturday, June 24, 2017 11:02 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 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.

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. 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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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,

Rose Martin  
[REDACTED]

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

## Brown, Ronda

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**From:** John and Rose Martin [REDACTED]  
**Sent:** Saturday, June 24, 2017 11:06 AM  
**To:** DNR.HFPublicComments  
**Subject:** [External] Public Comment regarding HVHHF Review #:000001

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  
[REDACTED]  
[REDACTED]  
[REDACTED]

## Brown, Ronda

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**From:** Food & Water Watch <act@fwwatch.org> on behalf of Alec Martinez <act@fwwatch.org>  
**Sent:** Friday, June 16, 2017 8:12 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.

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



## Brown, Ronda

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**From:** Food & Water Watch <act@fwwatch.org> on behalf of Patricia Martinez <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,

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



## Brown, Ronda

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**From:** Patricia Martinez [REDACTED] Sent You a Personal Message  
<automail@knowwho.com>  
**Sent:** Sunday, June 25, 2017 1:05 PM  
**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.

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,

Patricia Martinez  
[REDACTED]



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

## Brown, Ronda

---

**From:** Tim Martz [REDACTED] Sent You a Personal Message <automail@knowwho.com>  
**Sent:** Friday, June 23, 2017 3:15 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,

Tim Martz  
[REDACTED]

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 overstated. 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



## Brown, Ronda

---

**From:** Patricia Maryniak [REDACTED] Sent You a Personal Message  
<automail@knowwho.com>  
**Sent:** Sunday, June 25, 2017 10:48 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.

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 Maryniak  
[REDACTED]

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

## Brown, Ronda

---

**From:** Susan Masaracchia-Roberts [REDACTED] Sent You a Personal Message  
<automail@knowwho.com>  
**Sent:** Friday, June 23, 2017 3:11 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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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  
[REDACTED]

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

**Brown, Ronda**

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**From:** Sarah Masaryk [REDACTED]  
**Sent:** Saturday, June 24, 2017 3:48 AM  
**To:** DNR.HFPublicComments  
**Subject:** [External] Public Comment regarding HVHHF Review #:000001

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.

Sarah Masaryk

[REDACTED]  
[REDACTED]  
[REDACTED]



## Brown, Ronda

---

**From:** Janet Mase [REDACTED] Sent You a Personal Message <automail@knowwho.com>  
**Sent:** Friday, June 23, 2017 5:56 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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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,

Janet Mase  
[REDACTED]

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

## Brown, Ronda

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**From:** Susanne Masi [REDACTED]  
**Sent:** Thursday, June 22, 2017 9:51 AM  
**To:** DNR.HFPublicComments  
**Subject:** [External] My opposition to Hydrolic Fracturing in Illinois

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)

Susanne Masi  
[REDACTED]

## Brown, Ronda

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**From:** Ron Maslo [REDACTED] Sent You a Personal Message <automail@knowwho.com>  
**Sent:** Friday, June 23, 2017 11:59 PM  
**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.

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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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,

Ron Maslo  
[REDACTED]

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

## Brown, Ronda

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**From:** Food & Water Watch <act@fwwatch.org> on behalf of Ken Mason <act@fwwatch.org>  
**Sent:** Sunday, June 18, 2017 6:16 PM  
**To:** DNR.HFPublicComments  
**Subject:** [External] Public Comment regarding HVHHF Review #:000001

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).

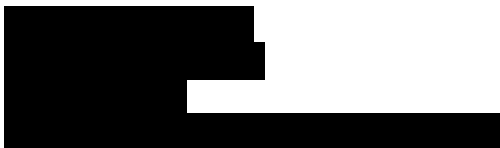
Hundreds of studies have shown that the practice of hydraulic fracturing pollutes our air, water and soil with toxic, carcinogenic and radioactive materials.

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



## Brown, Ronda

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**From:** Marilyn Mason [REDACTED] Sent You a Personal Message  
<automail@knowwho.com>  
**Sent:** Friday, June 23, 2017 11:44 PM  
**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.

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,

Marilyn Mason  
[REDACTED]

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

**Brown, Ronda**

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**From:** Food & Water Watch <act@fwwatch.org> on behalf of Ande Masoncup <act@fwwatch.org>  
**Sent:** Friday, June 16, 2017 2:41 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).

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



## Brown, Ronda

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**From:** Ande Masoncup [REDACTED] Sent You a Personal Message <automail@knowwho.com>  
**Sent:** Sunday, June 25, 2017 8:57 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,

Ande Masoncup  
[REDACTED]

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



## Brown, Ronda

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**From:** Food & Water Watch <act@fwwatch.org> on behalf of carolyn massey <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.

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. carolyn massey



## Brown, Ronda

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**From:** Carolyn Massey [REDACTED] Sent You a Personal Message  
<automail@knowwho.com>  
**Sent:** Friday, June 23, 2017 9:27 PM  
**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,

Carolyn Massey  
[REDACTED]

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

## Brown, Ronda

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**From:** carolyn massey [REDACTED] Sent You a Personal Message  
<automail@knowwho.com>  
**Sent:** Saturday, June 24, 2017 2:42 PM  
**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,

carolyn massey  
[REDACTED]

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

## Brown, Ronda

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**From:** Mary Massie [REDACTED] Sent You a Personal Message <automail@knowwho.com>  
**Sent:** Friday, June 23, 2017 3:39 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,

Mary Massie  
[REDACTED]

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

## Brown, Ronda

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**From:** Wendy Massie [REDACTED] Sent You a Personal Message <automail@knowwho.com>  
**Sent:** Monday, June 26, 2017 2:16 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,

Wendy Massie  
[REDACTED]

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 Joyce Mast <act@fwwatch.org>  
**Sent:** Friday, June 16, 2017 1:41 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).

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. Joyce Mast





## Brown, Ronda

---

**From:** Mirtella Mast [REDACTED] Sent You a Personal Message <automail@knowwho.com>  
**Sent:** Friday, June 23, 2017 3:39 PM  
**To:** DNR.HFPublicComments  
**Subject:** [External] Review Number HVHHF-000001

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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,

Mirtella Mast  
[REDACTED]

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

## Brown, Ronda

---

**From:** Joyce Mast [REDACTED] Sent You a Personal Message <automail@knowwho.com>  
**Sent:** Friday, June 23, 2017 2:46 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,

Joyce Mast  
[REDACTED]

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

## Brown, Ronda

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**From:** Carol Masuda [REDACTED] Sent You a Personal Message  
<automail@knowwho.com>  
**Sent:** Friday, June 23, 2017 3:11 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,

Carol Masuda  
[REDACTED]

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

## Brown, Ronda

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**From:** Food & Water Watch <act@fwwatch.org> on behalf of Jill Mateo <act@fwwatch.org>  
**Sent:** Sunday, June 18, 2017 2:46 PM  
**To:** DNR.HFPublicComments  
**Subject:** [External] Public Comment regarding HVHHF Review #:000001

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



## Brown, Ronda

---

**From:** Deni Mathews [REDACTED] Sent You a Personal Message  
<automail@knowwho.com>  
**Sent:** Friday, July 14, 2017 2:09 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,

Deni Mathews  
[REDACTED]

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

**Brown, Ronda**

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**From:** Deni Mathews [REDACTED]  
**Sent:** Thursday, July 27, 2017 4:18 PM  
**To:** DNR.HFPublicComments  
**Subject:** [External] Public Comments re: HVHHF #000001

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  
[REDACTED]

## Brown, Ronda

---

**From:** Nadine Mattes [REDACTED] Sent You a Personal Message <automail@knowwho.com>  
**Sent:** Friday, June 23, 2017 2:54 PM  
**To:** DNR.HFPublicComments  
**Subject:** [External] Review Number HVHHF-000001

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.

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,

Nadine Mattes  
[REDACTED]

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

## Brown, Ronda

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**From:** James Maulus [REDACTED] 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.

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,

James Maulus  
[REDACTED]

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



**Brown, Ronda**

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**From:** Food & Water Watch <act@fwwatch.org> on behalf of Louanne Mauro <act@fwwatch.org>  
**Sent:** Friday, June 16, 2017 2:18 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.

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



## Brown, Ronda

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**From:** Louanne Mauro [REDACTED] Sent You a Personal Message <automail@knowwho.com>  
**Sent:** Sunday, June 25, 2017 10:04 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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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,

Louanne Mauro  
[REDACTED]

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

## Brown, Ronda

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**From:** Food & Water Watch <act@fwwatch.org> on behalf of Carl Maxwell <act@fwwatch.org>  
**Sent:** Saturday, June 17, 2017 9:44 PM  
**To:** DNR.HFPublicComments  
**Subject:** [External] Public Comment regarding HVHHF Review #:000001

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,

Mr. Carl Maxwell



## Brown, Ronda

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**From:** Food & Water Watch <act@fwwatch.org> on behalf of Lana May <act@fwwatch.org>  
**Sent:** Friday, June 16, 2017 1:41 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).

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. Lana May



## Brown, Ronda

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**From:** Lana May <info@actionnetwork.org>  
**Sent:** Friday, June 23, 2017 10:04 PM  
**To:** DNR.HFPublicComments  
**Subject:** [External] Public Comment regarding HVHHF Review #:000001

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.

Lana May

[REDACTED]  
[REDACTED]  
[REDACTED]

**Brown, Ronda**

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**From:** Lana May <info@actionnetwork.org>  
**Sent:** Friday, June 23, 2017 5:01 PM  
**To:** DNR.HFPublicComments  
**Subject:** [External] Public Comment regarding HVHHF Review #:000001

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).

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.

Lana May

[Redacted signature block]

## Brown, Ronda

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**From:** Lana May [REDACTED] Sent You a Personal Message <automail@knowwho.com>  
**Sent:** Friday, June 23, 2017 4:49 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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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,

Lana May  
[REDACTED]

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

**Brown, Ronda**

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**From:** Food & Water Watch <act@fwwatch.org> on behalf of Angela Maycock <act@fwwatch.org>  
**Sent:** Sunday, June 25, 2017 8:23 AM  
**To:** DNR.HFPublicComments  
**Subject:** [External] Public Comment regarding HVHHF Review #:000001

**Follow Up Flag:** Follow up  
**Flag Status:** Flagged

Jun 25, 2017

Illinois Department of Natural Resources Illinois Department of Natural Resources IL

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





**Brown, Ronda**

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**From:** Food & Water Watch <act@fwwatch.org> on behalf of Sandra Mayer <act@fwwatch.org>  
**Sent:** Monday, June 19, 2017 7:19 PM  
**To:** DNR.HFPublicComments  
**Subject:** [External] Public Comment regarding HVHHF Review #:000001

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).

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



## Brown, Ronda

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**From:** Roseann Maziarek [REDACTED] Sent You a Personal Message  
<automail@knowwho.com>  
**Sent:** Friday, June 23, 2017 4:48 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,

Roseann Maziarek  
[REDACTED]

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.

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 Mazias



## Brown, Ronda

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**From:** Melissa Mazias [REDACTED] Sent You a Personal Message <automail@knowwho.com>  
**Sent:** Saturday, June 24, 2017 12:17 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.

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,

Melissa Mazias  
[REDACTED]

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

## Brown, Ronda

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**From:** Christy Mazrimasott [REDACTED] Sent You a Personal Message  
<automail@knowwho.com>  
**Sent:** Friday, June 23, 2017 3:04 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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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,

Christy Mazrimasott  
[REDACTED]

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

## Brown, Ronda

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**From:** John Mc [REDACTED] Sent You a Personal Message <automail@knowwho.com>  
**Sent:** Friday, June 23, 2017 2:38 PM  
**To:** DNR.HFPublicComments  
**Subject:** [External] Review Number HVHHF-000001

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.

The application lacks 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.

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

Sincerely,

John Mc  
[REDACTED]

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

## Brown, Ronda

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**From:** Colleen Mcabee [REDACTED] Sent You a Personal Message  
<automail@knowwho.com>  
**Sent:** Friday, June 23, 2017 9:02 PM  
**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.

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,

Colleen Mcabee  
[REDACTED]

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



## Brown, Ronda

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**From:** Food & Water Watch <act@fwwatch.org> on behalf of Colleen McAbee <act@fwwatch.org>  
**Sent:** Monday, June 26, 2017 5:37 PM  
**To:** DNR.HFPublicComments  
**Subject:** [External] Public Comment regarding HVHHF Review #:000001

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.

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

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**From:** Vickie Mcalister [REDACTED] 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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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,

Vickie Mcalister  
[REDACTED]

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 Crystal McAllister <act@fwwatch.org>  
**Sent:** Friday, June 16, 2017 5:11 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.

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



## Brown, Ronda

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**From:** Crystal McAllister [REDACTED]  
**Sent:** Monday, June 26, 2017 8:32 PM  
**To:** DNR.HFPublicComments  
**Subject:** [External] Public Comment regarding Review #: HVHHF-000001

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.

Crystal McAllister  
[REDACTED]

## Brown, Ronda

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**From:** Food & Water Watch <act@fwwatch.org> on behalf of Nora McAllister <act@fwwatch.org>  
**Sent:** Sunday, June 25, 2017 12:52 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.

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



## Brown, Ronda

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**From:** Food & Water Watch <act@fwwatch.org> on behalf of Elizabeth Mcauliffe <act@fwwatch.org>  
**Sent:** Friday, June 16, 2017 9:12 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.

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. Elizabeth Mcauliffe



## Brown, Ronda

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**From:** Elizabeth Mcauliffe [REDACTED] Sent You a Personal Message  
<automail@knowwho.com>  
**Sent:** Friday, June 23, 2017 6:02 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.
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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,

Elizabeth Mcauliffe  
[REDACTED]

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

**Brown, Ronda**

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**From:** Food & Water Watch <act@fwwatch.org> on behalf of Susie Mcbeth <act@fwwatch.org>  
**Sent:** Saturday, June 17, 2017 6:21 PM  
**To:** DNR.HFPublicComments  
**Subject:** [External] Public Comment regarding HVHHF Review #:000001

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. Susie Mcbeth





## Brown, Ronda

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**From:** Food & Water Watch <act@fwwatch.org> on behalf of Rebecca McBride <act@fwwatch.org>  
**Sent:** Monday, June 19, 2017 7:17 AM  
**To:** DNR.HFPublicComments  
**Subject:** [External] Public Comment regarding HVHHF Review #:000001

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).

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. Rebecca McBride



## Brown, Ronda

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**From:** Food & Water Watch <act@fwwatch.org> on behalf of Ann McCabe <act@fwwatch.org>  
**Sent:** Friday, June 16, 2017 10:12 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.

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. Ann McCabe



## Brown, Ronda

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**From:** Megan McCabe <info@actionnetwork.org>  
**Sent:** Friday, June 23, 2017 2:07 PM  
**To:** DNR.HFPublicComments  
**Subject:** [External] Public Comment regarding HVHHF Review #:000001

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.

Megan McCabe

[REDACTED]  
[REDACTED]  
[REDACTED]

## Brown, Ronda

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**From:** Food & Water Watch <act@fwwatch.org> on behalf of L esley 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).

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. L esley McCain



## Brown, Ronda

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**From:** James McCarthy [REDACTED] Sent You a Personal Message  
<automail@knowwho.com>  
**Sent:** Saturday, June 24, 2017 8:12 PM  
**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 regard 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,

James McCarthy  
[REDACTED]

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 Sarah Mccarthy <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 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. Sarah Mccarthy



**Brown, Ronda**

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**From:** jane mcclintock [REDACTED]  
**Sent:** Thursday, June 22, 2017 9:00 PM  
**To:** DNR.HFPublicComments  
**Subject:** [External] Fracking in Illinois?

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  
[REDACTED]



## Brown, Ronda

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**From:** Food & Water Watch <act@fwwatch.org> on behalf of Don McClure <act@fwwatch.org>  
**Sent:** Monday, June 19, 2017 12:47 AM  
**To:** DNR.HFPublicComments  
**Subject:** [External] Public Comment regarding HVHHF Review #:000001

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).

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. Don McClure



## Brown, Ronda

---

**From:** Vanette McConahey [REDACTED] Sent You a Personal Message  
<automail@knowwho.com>  
**Sent:** Wednesday, July 12, 2017 4:01 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.
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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,

Vanette McConahey  
[REDACTED]

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

## Brown, Ronda

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**From:** James McConkey [REDACTED] Sent You a Personal Message  
<automail@knowwho.com>  
**Sent:** Friday, June 23, 2017 9:54 PM  
**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.

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,

James McConkey  
[REDACTED]

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

## Brown, Ronda

---

**From:** Cindy McCormick [REDACTED] Sent You a Personal Message <automail@knowwho.com>  
**Sent:** Friday, June 23, 2017 7:46 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,

Cindy McCormick  
[REDACTED]

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

## Brown, Ronda

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**From:** Food & Water Watch <act@fwwatch.org> on behalf of Michelle Mccoy <act@fwwatch.org>  
**Sent:** Friday, June 16, 2017 2:11 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.

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



## Brown, Ronda

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**From:** Michelle Mccoy [REDACTED] Sent You a Personal Message  
<automail@knowwho.com>  
**Sent:** Friday, June 23, 2017 5:31 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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3. The application conceals information on hazardous fracking chemicals without attempting to demonstrate entitlement to trade secret protection.
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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,

Michelle Mccoy  
[REDACTED]

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

## Brown, Ronda

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**From:** Christy McCreary [REDACTED] Sent You a Personal Message  
<automail@knowwho.com>  
**Sent:** Saturday, June 24, 2017 1:20 PM  
**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.

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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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,

Christy McCreary  
[REDACTED]



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

**Brown, Ronda**

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**From:** Food & Water Watch <act@fwwatch.org> on behalf of Jane McCreedy <act@fwwatch.org>  
**Sent:** Friday, June 16, 2017 12:41 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,

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. Jane McCreedy



**Brown, Ronda**

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**From:** Food & Water Watch <act@fwwatch.org> on behalf of david mccue <act@fwwatch.org>  
**Sent:** Friday, June 16, 2017 1:11 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,

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. david mccue



## Brown, Ronda

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**From:** Food & Water Watch <act@fwwatch.org> on behalf of Ryan McCulloch <act@fwwatch.org>  
**Sent:** Friday, June 16, 2017 2:11 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.

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 McCulloch



## Brown, Ronda

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**From:** Ryan McCulloch [REDACTED]  
**Sent:** Tuesday, June 27, 2017 8:48 PM  
**To:** DNR.HFPublicComments  
**Subject:** [External] Public Comment regarding Review #: HVHHF-000001

**Follow Up Flag:** Follow up  
**Flag Status:** Flagged

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.
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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.

Ryan McCulloch  
[REDACTED]

## Brown, Ronda

---

**From:** Sam McCulloch [REDACTED] Sent You a Personal Message  
<automail@knowwho.com>  
**Sent:** Friday, June 23, 2017 11:10 PM  
**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,

Sam McCulloch  
[REDACTED]

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

## Brown, Ronda

---

**From:** Ryan McCulloch [REDACTED] Sent You a Personal Message <automail@knowwho.com>  
**Sent:** Friday, June 23, 2017 10:39 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,

Ryan McCulloch  
[REDACTED]

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



## Brown, Ronda

---

**From:** Ryan McCulloch [REDACTED] Sent You a Personal Message <automail@knowwho.com>  
**Sent:** Friday, June 23, 2017 7:47 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,

Ryan McCulloch  
[REDACTED]

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

## Brown, Ronda

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**From:** Juliet McDaniel [REDACTED] Sent You a Personal Message  
<automail@knowwho.com>  
**Sent:** Saturday, June 24, 2017 8:40 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,

Juliet McDaniel  
[REDACTED]

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

## Brown, Ronda

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**From:** Janet McDonnell [REDACTED] Sent You a Personal Message  
<automail@knowwho.com>  
**Sent:** Friday, June 23, 2017 3:16 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,

Janet McDonnell  
[REDACTED]

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

## Brown, Ronda

---

**From:** Janet McDonnell [REDACTED] Sent You a Personal Message  
<automail@knowwho.com>  
**Sent:** Saturday, June 24, 2017 7:23 PM  
**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,

Janet McDonnell  
[REDACTED]

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

**Brown, Ronda**

---

**From:** Andy McDonough [REDACTED]  
**Sent:** Tuesday, June 20, 2017 6:41 AM  
**To:** DNR.HFPublicComments  
**Subject:** [External] Opposition to HVHHF-000001 Woolley

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  
[REDACTED]

Sent from my iPhone

**Brown, Ronda**

---

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

Sent from my iPhone



**Brown, Ronda**

---

**From:** Food & Water Watch <act@fwwatch.org> on behalf of Sarah Mcdougal <act@fwwatch.org>  
**Sent:** Wednesday, June 21, 2017 5:14 PM  
**To:** DNR.HFPublicComments  
**Subject:** [External] Public Comment regarding HVHHF Review #:000001

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.

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 Mcdougal



## Brown, Ronda

---

**From:** Maryanne Mcewen [REDACTED] Sent You a Personal Message  
<automail@knowwho.com>  
**Sent:** Friday, June 23, 2017 3:38 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,

Maryanne Mcewen  
[REDACTED]

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 Brian McFarland <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,

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. Brian McFarland



## Brown, Ronda

---

**From:** Food & Water Watch <act@fwwatch.org> on behalf of Brian McFarland <act@fwwatch.org>  
**Sent:** Friday, June 16, 2017 8:19 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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Sincerely,

Mr. Brian McFarland



## Brown, Ronda

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**From:** Brian Mcfarland [REDACTED] Sent You a Personal Message  
<automail@knowwho.com>  
**Sent:** Friday, June 23, 2017 7:54 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,

Brian Mcfarland  
[REDACTED]

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

**Brown, Ronda**

---

**From:** Cheryl McGarry [REDACTED]  
**Sent:** Friday, June 02, 2017 10:15 AM  
**To:** DNR.HFPublicComments  
**Subject:** [External]

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

## Brown, Ronda

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**From:** Lynne McGarry [REDACTED] Sent You a Personal Message <automail@knowwho.com>  
**Sent:** Friday, June 23, 2017 2:54 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,

Lynne McGarry  
[REDACTED]

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

**Brown, Ronda**

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**From:** Food & Water Watch <act@fwwatch.org> on behalf of Tyler McGaughey <act@fwwatch.org>  
**Sent:** Tuesday, June 20, 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,

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. Tyler McGaughey





## Brown, Ronda

---

**From:** Food & Water Watch <act@fwwatch.org> on behalf of Barton McGee <act@fwwatch.org>  
**Sent:** Friday, June 16, 2017 8:12 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.

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. Barton McGee



## Brown, Ronda

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**From:** Food & Water Watch <act@fwwatch.org> on behalf of Dennis McGee Jr <act@fwwatch.org>  
**Sent:** Friday, June 16, 2017 5:11 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.

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

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**From:** Christi McGinness [REDACTED] Sent You a Personal Message  
<automail@knowwho.com>  
**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.
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,

Christi McGinness  
[REDACTED]

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

## Brown, Ronda

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**From:** Food & Water Watch <act@fwwatch.org> on behalf of Donald Mcgovern <act@fwwatch.org>  
**Sent:** Saturday, June 17, 2017 7:43 AM  
**To:** DNR.HFPublicComments  
**Subject:** [External] Public Comment regarding HVHHF Review #:000001

Jun 17, 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 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 Illinoisans and our natural resources for a toxic industry. Please deny the Woolsey Operating Company fracked well permit.

Sincerely,

Mr. Donald Mcgovern

A large black rectangular redaction box covering the signature area.

## Brown, Ronda

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**From:** Donald Mcgovern [REDACTED] Sent You a Personal Message  
<automail@knowwho.com>  
**Sent:** Sunday, June 25, 2017 2:51 PM  
**To:** DNR.HFPublicComments  
**Subject:** [External] Review Number HVHHF-000001

**Follow Up Flag:** Follow up  
**Flag Status:** Completed

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,

Donald Mcgovern  
[REDACTED]

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

**Brown, Ronda**

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**From:** Food & Water Watch <act@fwwatch.org> on behalf of Lisa McGovern <act@fwwatch.org>  
**Sent:** Saturday, June 17, 2017 8:43 AM  
**To:** DNR.HFPublicComments  
**Subject:** [External] Public Comment regarding HVHHF Review #:000001

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



**Brown, Ronda**

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**From:** Food & Water Watch <act@fwwatch.org> on behalf of Mary McGovern <act@fwwatch.org>  
**Sent:** Saturday, June 17, 2017 9:13 AM  
**To:** DNR.HFPublicComments  
**Subject:** [External] Public Comment regarding HVHHF Review #:000001

Jun 17, 2017

Illinois Department of Natural Resources Illinois Department of Natural Resources IL

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





## Brown, Ronda

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**From:** Linda Mcguire [REDACTED] Sent You a Personal Message  
<automail@knowwho.com>  
**Sent:** Saturday, June 24, 2017 11:03 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.

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,

Linda Mcguire  
[REDACTED]

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

## Brown, Ronda

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**From:** Food & Water Watch <act@fwwatch.org> on behalf of Maggie McGuire <act@fwwatch.org>  
**Sent:** Friday, June 16, 2017 1:11 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,

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



## Brown, Ronda

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**From:** Maggie Mcguire [REDACTED] Sent You a Personal Message  
<automail@knowwho.com>  
**Sent:** Saturday, June 24, 2017 6:19 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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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,

Maggie Mcguire  
[REDACTED]

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

## Brown, Ronda

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**From:** Sheila Mcguire [REDACTED] Sent You a Personal Message  
<automail@knowwho.com>  
**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.

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5. The operations as described in the application would fail to preserve topsoil, and the stormwater management plan is inadequate.
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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  
[REDACTED]

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

## Brown, Ronda

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**From:** Amy McIntosh [REDACTED] 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.

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,

Amy McIntosh  
[REDACTED]

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

**Brown, Ronda**

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**From:** Food & Water Watch <act@fwwatch.org> on behalf of JoAnn McIntosh <act@fwwatch.org>  
**Sent:** Saturday, June 17, 2017 10:13 AM  
**To:** DNR.HFPublicComments  
**Subject:** [External] Public Comment regarding HVHHF Review #:000001

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



## Brown, Ronda

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**From:** Kris McIntosh [REDACTED]  
**Sent:** Tuesday, June 27, 2017 3:22 PM  
**To:** DNR.HFPublicComments  
**Subject:** [External] Public Comment regarding Review #: HVHHF-000001

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:

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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.

Kris McIntosh  
[REDACTED]



## Brown, Ronda

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**From:** Kristine McIntosh [REDACTED] Sent You a Personal Message  
<automail@knowwho.com>  
**Sent:** Friday, June 30, 2017 10:40 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,

Kristine McIntosh  
[REDACTED]

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 HVHFF 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 HVHFF permit for the proposed well. The additions to the original application are also deficient to meet the standard of the HVHFF 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 HVHWF 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 HVHWF Act. This permit should be denied.

**Inadequate Water Quality Monitoring Plan**

Woolsey’s plan does not come close to addressing the requirements in the HVHWF 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

## Brown, Ronda

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**From:** Barbara McKasson [REDACTED] Sent You a Personal Message <automail@knowwho.com>  
**Sent:** Friday, June 23, 2017 1:07 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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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,

Barbara McKasson  
[REDACTED]

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

**Brown, Ronda**

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**From:** Barbara Mckasson [REDACTED]  
**Sent:** Sunday, July 16, 2017 11:51 PM  
**To:** DNR.HFPublicComments  
**Subject:** [External] HVHHF#000001 Comments  
**Attachments:** Comments on HVHHF Permit #000001.docx

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  
[REDACTED]

## Brown, Ronda

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**From:** Food & Water Watch <act@fwwatch.org> on behalf of Curtis McKay <act@fwwatch.org>  
**Sent:** Saturday, June 24, 2017 10:50 AM  
**To:** DNR.HFPublicComments  
**Subject:** [External] Public Comment regarding HVHHF Review #:000001

**Follow Up Flag:** Follow up  
**Flag Status:** Flagged

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.

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



**From:** Jackie McKay [REDACTED]  
**Sent:** Tuesday, July 25, 2017 12:50 PM  
**To:** DNR.HFPublicComments  
**Subject:** [External] Comment to Department of Natural Resources Feedback on HVHHF #000001:

**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 & HVHFF 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.





## Brown, Ronda

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**From:** Food & Water Watch <act@fwwatch.org> on behalf of Jackie McKay <act@fwwatch.org>  
**Sent:** Saturday, June 24, 2017 11:50 PM  
**To:** DNR.HFPublicComments  
**Subject:** [External] Public Comment regarding HVHHF Review #:000001

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



## Brown, Ronda

---

**From:** Jolene Mckay [REDACTED] Sent You a Personal Message <automail@knowwho.com>  
**Sent:** Saturday, June 24, 2017 4:26 PM  
**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.

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,

Jolene Mckay  
[REDACTED]

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

## Brown, Ronda

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**From:** Jackie McKay <info@actionnetwork.org>  
**Sent:** Sunday, June 25, 2017 6:30 AM  
**To:** DNR.HFPublicComments  
**Subject:** [External] Public Comment regarding HVHHF Review #:000001

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

[REDACTED]  
[REDACTED]  
[REDACTED]

## Brown, Ronda

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**From:** John Mckee [REDACTED] Sent You a Personal Message <automail@knowwho.com>  
**Sent:** Sunday, June 25, 2017 8:45 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.

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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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  
[REDACTED]

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

## Brown, Ronda

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**From:** Mary Mckee [REDACTED] Sent You a Personal Message <automail@knowwho.com>  
**Sent:** Sunday, June 25, 2017 4:19 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. 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  
[REDACTED]

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 Cynthia McKendall <act@fwwatch.org>  
**Sent:** Saturday, June 24, 2017 5:20 PM  
**To:** DNR.HFPublicComments  
**Subject:** [External] Public Comment regarding HVHHF Review #:000001

**Follow Up Flag:** Follow up  
**Flag Status:** Flagged

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.

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

A large black rectangular redaction box covering the signature area.

**Brown, Ronda**

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**From:** Food & Water Watch <act@fwwatch.org> on behalf of Cynthia McKendall <act@fwwatch.org>  
**Sent:** Saturday, June 24, 2017 5:50 PM  
**To:** DNR.HFPublicComments  
**Subject:** [External] Public Comment regarding HVHHF Review #:000001

**Follow Up Flag:** Follow up  
**Flag Status:** Flagged

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.

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

A large black rectangular redaction box covering the signature area.



## Brown, Ronda

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**From:** Food & Water Watch <act@fwwatch.org> on behalf of P. McKenna <act@fwwatch.org>  
**Sent:** Friday, June 16, 2017 1:48 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 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. P. McKenna



## Brown, Ronda

---

**From:** Patti Mckinley [REDACTED] Sent You a Personal Message  
<automail@knowwho.com>  
**Sent:** Friday, June 23, 2017 3:15 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:

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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,

Patti Mckinley  
[REDACTED]

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

## Brown, Ronda

---

**From:** Anne Mckinney [REDACTED] Sent You a Personal Message  
<automail@knowwho.com>  
**Sent:** Monday, June 26, 2017 9:03 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,

Anne Mckinney  
[REDACTED]

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

## Brown, Ronda

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**From:** McKinney, David [REDACTED]  
**Sent:** Tuesday, June 27, 2017 8:12 AM  
**To:** DNR.HFPublicComments  
**Subject:** [External] Review No. (HVHHF-000001).

- 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.

**David McKinney, CRM, CIC, CSP, CPCU, ARM**, Vice President- Account Executive  
NPN 62952  
**IMA, Inc.**  
8200 E 32nd Street North | Wichita, KS 67226 | 316-267-9221  
Direct 316-266-6290 | Fax 316-266-6254 | 316-250-2256 mobile  
david.mckinney@imacorp.com

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### **Risk Management, Insurance, Surety and Employee Benefits Solutions.**

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## Brown, Ronda

---

**From:** John Mckinnon [REDACTED] Sent You a Personal Message <automail@knowwho.com>  
**Sent:** Friday, June 23, 2017 2:53 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,

John Mckinnon  
[REDACTED]

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

**Brown, Ronda**

---

**From:** Carol McKinny [REDACTED]  
**Sent:** Tuesday, June 20, 2017 12:51 PM  
**To:** DNR.HFPublicComments  
**Subject:** [External] Review Number of HVHHF-000001.

I oppose this permit( Review Number of HVHHF-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

[REDACTED]

## Brown, Ronda

---

**From:** Kim McLaren [REDACTED] Sent You a Personal Message <automail@knowwho.com>  
**Sent:** Friday, June 23, 2017 3:01 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,

Kim McLaren  
[REDACTED]

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 dagmar mclaughlin <act@fwwatch.org>  
**Sent:** Friday, June 16, 2017 4:49 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,

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 Illinoisans and our natural resources for a toxic industry. Please deny the Woolsey Operating Company fracked well permit.

Sincerely,

Ms. dagmar mclaughlin





**Brown, Ronda**

---

**From:** Food & Water Watch <act@fwwatch.org> on behalf of Dan McLaughlin <act@fwwatch.org>  
**Sent:** Friday, June 16, 2017 2:18 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. Dan McLaughlin



## Brown, Ronda

---

**From:** Dagmar McLaughlin [REDACTED] Sent You a Personal Message  
<automail@knowwho.com>  
**Sent:** Friday, June 23, 2017 3:11 PM  
**To:** DNR.HFPublicComments  
**Subject:** [External] Review Number HVHHF-000001

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!!!!!! 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,

Dagmar McLaughlin  
[REDACTED]

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

**Brown, Ronda**

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**From:** Food & Water Watch <act@fwwatch.org> on behalf of Dan McLaughlin <act@fwwatch.org>  
**Sent:** Friday, June 16, 2017 2:18 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.

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. Dan McLaughlin



## Brown, Ronda

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**From:** Scott McLellan <info@actionnetwork.org>  
**Sent:** Friday, June 23, 2017 1:08 PM  
**To:** DNR.HFPublicComments  
**Subject:** [External] Public Comment regarding HVHHF Review #:000001

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.

Scott McLellan

[REDACTED]  
[REDACTED]  
[REDACTED]

## Brown, Ronda

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**From:** Sarah McManus [REDACTED] Sent You a Personal Message  
<automail@knowwho.com>  
**Sent:** Sunday, June 25, 2017 3:34 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,

Sarah McManus  
[REDACTED]

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

## Brown, Ronda

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**From:** Food & Water Watch <act@fwwatch.org> on behalf of Rosalie Mcmenamin <act@fwwatch.org>  
**Sent:** Friday, June 16, 2017 1:11 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,

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. Rosalie Mcmenamin



**Brown, Ronda**

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**From:** Annette McMichael [REDACTED]  
**Sent:** Monday, June 26, 2017 6:22 PM  
**To:** DNR.HFPublicComments  
**Subject:** [External] HVHHF-000001

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

Annette McMichael  
[REDACTED]



**Brown, Ronda**

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**From:** Annette McMichael [REDACTED]  
**Sent:** Monday, May 29, 2017 3:12 PM  
**To:** DNR.HFPublicComments  
**Subject:** [External] Review Number (HVHHF-000001)

Comment on Review Number (HVHHF-000001)

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  
[REDACTED]

## Brown, Ronda

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**From:** Food & Water Watch <act@fwwatch.org> on behalf of James McMichael <act@fwwatch.org>  
**Sent:** Monday, June 19, 2017 7:54 AM  
**To:** DNR.HFPublicComments  
**Subject:** [External] Public Comment regarding HVHHF Review #:000001

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).

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.

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



## Brown, Ronda

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**From:** Food & Water Watch <act@fwwatch.org> on behalf of Annette McMichael <act@fwwatch.org>  
**Sent:** Monday, June 19, 2017 9:49 PM  
**To:** DNR.HFPublicComments  
**Subject:** [External] Public Comment regarding HVHHF Review #:000001

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

A large black rectangular redaction box covering the signature and any handwritten notes.

**Brown, Ronda**

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**From:** Food & Water Watch <act@fwwatch.org> on behalf of Mair McNamara <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,

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. Mair McNamara



## Brown, Ronda

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**From:** Mair Mcnamara [REDACTED] Sent You a Personal Message <automail@knowwho.com>  
**Sent:** Friday, June 23, 2017 11:30 PM  
**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.

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,

Mair Mcnamara  
[REDACTED]

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

## Brown, Ronda

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**From:** Mair McNamara [REDACTED] Sent You a Personal Message <automail@knowwho.com>  
**Sent:** Monday, June 26, 2017 5:40 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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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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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,

Mair McNamara  
[REDACTED]

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

## Brown, Ronda

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**From:** Grace Pai [REDACTED]  
**Sent:** Thursday, July 27, 2017 1:54 PM  
**To:** DNR.HFPublicComments  
**Subject:** [External] HVHHF #000001 Public Comments  
**Attachments:** Reclaim Chicago Public Comments re HVHHF 000001.pdf

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](mailto:grace@thepeopleslobbyusa.org)  
310-433-1107 cell

[Like The People's Lobby on Facebook](#)  
[Follow The People's Lobby on Twitter](#)

**Brown, Ronda**

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**From:** Food & Water Watch <act@fwwatch.org> on behalf of Lorrie Palacios <act@fwwatch.org>  
**Sent:** Monday, June 19, 2017 8:48 AM  
**To:** DNR.HFPublicComments  
**Subject:** [External] Public Comment regarding HVHHF Review #:000001

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).

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. Lorrie Palacios





## Brown, Ronda

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**From:** Diane Palin [REDACTED] Sent You a Personal Message <automail@knowwho.com>  
**Sent:** Friday, June 23, 2017 3:21 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.
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,

Diane Palin  
[REDACTED]

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

## Brown, Ronda

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**From:** Ludwig Paller [REDACTED] Sent You a Personal Message <automail@knowwho.com>  
**Sent:** Friday, June 23, 2017 8:37 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,

Ludwig Paller  
[REDACTED]

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 Michael Palma <act@fwwatch.org>  
**Sent:** Monday, June 26, 2017 11:54 AM  
**To:** DNR.HFPublicComments  
**Subject:** [External] Public Comment regarding HVHHF Review #:000001

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



## Brown, Ronda

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**From:** Brian Palmer [REDACTED] Sent You a Personal Message <automail@knowwho.com>  
**Sent:** Sunday, June 25, 2017 6:20 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.
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,

Brian Palmer  
[REDACTED]

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

**Brown, Ronda**

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**From:** Food & Water Watch <act@fwwatch.org> on behalf of A PANELLI <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).

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. A PANELLI



## Brown, Ronda

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**From:** Andrew Panelli [REDACTED] Sent You a Personal Message <automail@knowwho.com>  
**Sent:** Saturday, June 24, 2017 3:55 PM  
**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.

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,

Andrew Panelli  
[REDACTED]

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

## Brown, Ronda

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**From:** Dorothea Pantelios [REDACTED]  
**Sent:** Tuesday, June 27, 2017 4:49 PM  
**To:** DNR.HFPublicComments  
**Subject:** [External] Fracking in Illinois (HVHHF-000001)

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 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 HVHWF 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 HVHWF 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 HVVHF 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 its 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. 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. (HVHHF-000001)

**Brown, Ronda**

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**From:** Food & Water Watch <act@fwwatch.org> on behalf of Jennifer Pantelios <act@fwwatch.org>  
**Sent:** Thursday, June 22, 2017 10:46 PM  
**To:** DNR.HFPublicComments  
**Subject:** [External] Public Comment regarding HVHHF Review #:000001

Jun 22, 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.

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.

Sincerely,



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. Jennifer Pantelios



## Brown, Ronda

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**From:** Jennifer Ruth Pantelios [REDACTED]  
**Sent:** Tuesday, June 27, 2017 4:52 PM  
**To:** DNR.HFPublicComments  
**Subject:** [External] Comments on Fracking in Illinois -- Review Number (HVHHF-000001)

Hello,

(HVHHF-000001) 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.

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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. 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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.

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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 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. 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.

Sincerely,

Jennifer Pantelios

## Brown, Ronda

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**From:** Karen Papa [REDACTED] Sent You a Personal Message <automail@knowwho.com>  
**Sent:** Sunday, June 25, 2017 2:36 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,

Karen Papa  
[REDACTED]

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

## Brown, Ronda

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**From:** Stacy Papangelis [REDACTED] Sent You a Personal Message <automail@knowwho.com>  
**Sent:** Sunday, June 25, 2017 11:11 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.

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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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,

Stacy Papangelis  
[REDACTED]

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

**Brown, Ronda**

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**From:** Cpaprocki [REDACTED]  
**Sent:** Wednesday, July 26, 2017 9:38 AM  
**To:** DNR.HFPublicComments  
**Subject:** [External] PUBLIC COMMENTS FOR IDNR REVIEW NUMBER HVHHF #000001

**PUBLIC COMMENTS FOR IDNR REVIEW NUMBER HVHHF #000001**

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*  
[REDACTED]

## Brown, Ronda

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**From:** Food & Water Watch <act@fwwatch.org> on behalf of Beth Parentice <act@fwwatch.org>  
**Sent:** Saturday, June 24, 2017 1:19 AM  
**To:** DNR.HFPublicComments  
**Subject:** [External] Public Comment regarding HVHHF Review #:000001

**Follow Up Flag:** Follow up  
**Flag Status:** Flagged

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.

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



## Brown, Ronda

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**From:** Food & Water Watch <act@fwwatch.org> on behalf of Beth Parentice <act@fwwatch.org>  
**Sent:** Sunday, June 25, 2017 9:52 AM  
**To:** DNR.HFPublicComments  
**Subject:** [External] Public Comment regarding HVHHF Review #:000001

**Follow Up Flag:** Follow up  
**Flag Status:** Flagged

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.

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



## Brown, Ronda

---

**From:** Food & Water Watch <act@fwwatch.org> on behalf of Beth Parentice <act@fwwatch.org>  
**Sent:** Sunday, June 25, 2017 9:52 AM  
**To:** DNR.HFPublicComments  
**Subject:** [External] Public Comment regarding HVHHF Review #:000001

**Follow Up Flag:** Follow up  
**Flag Status:** Flagged

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.

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



## Brown, Ronda

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**From:** Mary Parisoe [REDACTED] Sent You a Personal Message <automail@knowwho.com>  
**Sent:** Saturday, June 24, 2017 2:43 PM  
**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.

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.
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  
[REDACTED]



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

## Brown, Ronda

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**From:** Corey Parker [REDACTED] Sent You a Personal Message  
<automail@knowwho.com>  
**Sent:** Tuesday, July 04, 2017 6:46 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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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,

Corey Parker  
[REDACTED]

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

## Brown, Ronda

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**From:** Greg Parker [REDACTED] Sent You a Personal Message <automail@knowwho.com>  
**Sent:** Friday, June 23, 2017 4:43 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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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,

Greg Parker  
[REDACTED]

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

**Brown, Ronda**

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**From:** Food & Water Watch <act@fwwatch.org> on behalf of Jeanne Parker <act@fwwatch.org>  
**Sent:** Monday, June 19, 2017 2:48 PM  
**To:** DNR.HFPublicComments  
**Subject:** [External] Public Comment regarding HVHHF Review #:000001

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).

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



## Brown, Ronda

---

**From:** Jud Parker [REDACTED] Sent You a Personal Message <automail@knowwho.com>  
**Sent:** Friday, June 23, 2017 2:36 PM  
**To:** DNR.HFPublicComments  
**Subject:** [External] Review Number HVHHF-000001

Dear Illinois Department of Natural Resources,

Just stop this madness. Isn't our environment, our very planet, fvcked 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.

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,

Jud Parker  
[REDACTED]

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

## Brown, Ronda

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**From:** Food & Water Watch <act@fwwatch.org> on behalf of Libby Parker <act@fwwatch.org>  
**Sent:** Saturday, June 24, 2017 9:20 PM  
**To:** DNR.HFPublicComments  
**Subject:** [External] Public Comment regarding HVHHF Review #:000001

**Follow Up Flag:** Follow up  
**Flag Status:** Flagged

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.

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. Libby Parker



## Brown, Ronda

---

**From:** Suzanne Parker [REDACTED] Sent You a Personal Message  
<automail@knowwho.com>  
**Sent:** Friday, June 23, 2017 7:08 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,

Suzanne Parker  
[REDACTED]

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

## Brown, Ronda

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**From:** Scott Parrish [REDACTED] Sent You a Personal Message  
<automail@knowwho.com>  
**Sent:** Monday, June 26, 2017 1:51 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,

Scott Parrish  
[REDACTED]

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



## Brown, Ronda

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**From:** Food & Water Watch <act@fwwatch.org> on behalf of Cindy Parrone <act@fwwatch.org>  
**Sent:** Friday, June 16, 2017 1:41 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).

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

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**From:** Marilyn Parsons [REDACTED] Sent You a Personal Message  
<automail@knowwho.com>  
**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.

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,

Marilyn Parsons  
[REDACTED]

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

## Brown, Ronda

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**From:** Robert Pashos [REDACTED] Sent You a Personal Message <automail@knowwho.com>  
**Sent:** Thursday, July 13, 2017 12:28 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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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  
[REDACTED]

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

## Brown, Ronda

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**From:** Nicholas Pasqual [REDACTED] 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.

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,

Nicholas Pasqual  
[REDACTED]

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

## Brown, Ronda

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**From:** Food & Water Watch <act@fwwatch.org> on behalf of Gabriel Pastrana <act@fwwatch.org>  
**Sent:** Sunday, June 18, 2017 8:52 AM  
**To:** DNR.HFPublicComments  
**Subject:** [External] Public Comment regarding HVHHF Review #:000001

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



## Brown, Ronda

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**From:** Dean [REDACTED]  
**Sent:** Friday, June 23, 2017 3:24 PM  
**To:** DNR.HFPublicComments  
**Subject:** [External] Woolley Operating Co. hydraulic fracturing permit

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

## Brown, Ronda

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**From:** Jill's iPad [REDACTED]  
**Sent:** Monday, July 24, 2017 10:10 PM  
**To:** DNR.HFPublicComments  
**Subject:** [External] Review Number (HVHHF-000001)

Review Number (HVHHF-000001)

From Jill Paulus/ [REDACTED]  
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

## Brown, Ronda

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**From:** Food & Water Watch <act@fwwatch.org> on behalf of Jill Paulus <act@fwwatch.org>  
**Sent:** Saturday, June 17, 2017 6:50 AM  
**To:** DNR.HFPublicComments  
**Subject:** [External] Public Comment regarding HVHHF Review #:000001

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. Jill Paulus





## Brown, Ronda

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**From:** Jill Paulus [REDACTED]  
**Sent:** Friday, June 23, 2017 1:50 PM  
**To:** DNR.HFPublicComments  
**Subject:** [External] Public Comment regarding HVHHF Review #:000001

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.

Jill Paulus  
[REDACTED]  
[REDACTED]  
[REDACTED]

## Brown, Ronda

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**From:** Jill's iPad [REDACTED]  
**Sent:** Tuesday, June 27, 2017 4:38 PM  
**To:** DNR.HFPublicComments  
**Subject:** [External] HVHHF-000001

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



Sent from my iPad

## Brown, Ronda

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**From:** Food & Water Watch <act@fwwatch.org> on behalf of Kevin Paulus <act@fwwatch.org>  
**Sent:** Sunday, June 18, 2017 2:21 AM  
**To:** DNR.HFPublicComments  
**Subject:** [External] Public Comment regarding HVHHF Review #:000001

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. Kevin Paulus



## Brown, Ronda

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**From:** Jill Paulus [REDACTED] Sent You a Personal Message <automail@knowwho.com>  
**Sent:** Friday, June 23, 2017 12:28 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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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,

Jill Paulus  
[REDACTED]

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

## Brown, Ronda

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**From:** Jill's iPad [REDACTED]  
**Sent:** Friday, June 23, 2017 3:33 PM  
**To:** DNR.HFPublicComments  
**Subject:** [External] HVHHF-000001

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  
[REDACTED]

Sent from my iPad

## Brown, Ronda

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**From:** Carol Pawlak [REDACTED] Sent You a Personal Message <automail@knowwho.com>  
**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  
[REDACTED]

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

## Brown, Ronda

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**From:** Food & Water Watch <act@fwwatch.org> on behalf of Lara Pawlak <act@fwwatch.org>  
**Sent:** Monday, June 19, 2017 3:48 PM  
**To:** DNR.HFPublicComments  
**Subject:** [External] Public Comment regarding HVHHF Review #:000001

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).

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



## Brown, Ronda

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**From:** Bernadette Payne [REDACTED] Sent You a Personal Message  
<automail@knowwho.com>  
**Sent:** Friday, June 23, 2017 8:32 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,

Bernadette Payne  
[REDACTED]

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



## Brown, Ronda

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**From:** Meredith Payne [REDACTED] Sent You a Personal Message  
<automail@knowwho.com>  
**Sent:** Tuesday, June 27, 2017 11:16 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,

Meredith Payne  
[REDACTED]

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

**Brown, Ronda**

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**From:** Food & Water Watch <act@fwwatch.org> on behalf of Spencer Pease <act@fwwatch.org>  
**Sent:** Friday, June 16, 2017 1:11 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,

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

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**From:** Tracy Pease [REDACTED] 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  
[REDACTED]

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

## Brown, Ronda

---

**From:** Marlene Peaslee [REDACTED] Sent You a Personal Message  
<automail@knowwho.com>  
**Sent:** Friday, June 23, 2017 3:30 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.
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,

Marlene Peaslee  
[REDACTED]

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

## Brown, Ronda

---

**From:** Lisa von Pechmann [REDACTED] Sent You a Personal Message <automail@knowwho.com>  
**Sent:** Friday, June 23, 2017 5:51 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,

Lisa von Pechmann  
[REDACTED]

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

## Brown, Ronda

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**From:** Maria Carmen Pedroza [REDACTED] Sent You a Personal Message  
<automail@knowwho.com>  
**Sent:** Friday, June 23, 2017 3:46 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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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 including 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  
[REDACTED]

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

## Brown, Ronda

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**From:** John Peeters [REDACTED] Sent You a Personal Message <automail@knowwho.com>  
**Sent:** Friday, June 23, 2017 10:55 PM  
**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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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 Peeters  
[REDACTED]

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



## Brown, Ronda

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**From:** Food & Water Watch <act@fwwatch.org> on behalf of Christine Pehas <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,

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



## Brown, Ronda

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**From:** Food & Water Watch <act@fwwatch.org> on behalf of Judi Peman <act@fwwatch.org>  
**Sent:** Friday, June 16, 2017 4:11 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.

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



## Brown, Ronda

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**From:** Angela Pennisi [REDACTED] Sent You a Personal Message <automail@knowwho.com>  
**Sent:** Saturday, June 24, 2017 8:58 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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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,

Angela Pennisi  
[REDACTED]

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

## Brown, Ronda

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**From:** Food & Water Watch <act@fwwatch.org> on behalf of Suzanne Pentek <act@fwwatch.org>  
**Sent:** Friday, June 16, 2017 3:11 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.

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

[Redacted signature block]

## Brown, Ronda

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**From:** Food & Water Watch <act@fwwatch.org> on behalf of Barbara Penzato <act@fwwatch.org>  
**Sent:** Friday, June 16, 2017 5:49 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.

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. Barbara Penzato



## Brown, Ronda

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**From:** Christian Pepera [REDACTED] Sent You a Personal Message  
<automail@knowwho.com>  
**Sent:** Saturday, June 24, 2017 10:11 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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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,

Christian Pepera  
[REDACTED]

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.

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. Ellen Pepich





**Brown, Ronda**

---

**From:** Food & Water Watch <act@fwwatch.org> on behalf of Ellen Pepich <act@fwwatch.org>  
**Sent:** Thursday, June 22, 2017 5:46 PM  
**To:** DNR.HFPublicComments  
**Subject:** [External] Public Comment regarding HVHHF Review #:000001

Jun 22, 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. Ellen Pepich



**Brown, Ronda**

---

**From:** Ian Percel <info@actionnetwork.org>  
**Sent:** Monday, June 26, 2017 7:26 AM  
**To:** DNR.HFPublicComments  
**Subject:** [External] Public Comment regarding HVHHF Review #:000001

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 (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.

Ian Percel

[Redacted signature block]

## Brown, Ronda

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**From:** Bettina Perillo <info@actionnetwork.org>  
**Sent:** Wednesday, June 28, 2017 9:56 PM  
**To:** DNR.HFPublicComments  
**Subject:** [External] Public Comment regarding HVHHF Review #:000001

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.

Bettina Perillo

[REDACTED]  
[REDACTED]  
[REDACTED]

## Brown, Ronda

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**From:** Food & Water Watch <act@fwwatch.org> on behalf of Cheryl Pero <act@fwwatch.org>  
**Sent:** Friday, June 16, 2017 1:11 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,

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 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



## Brown, Ronda

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**From:** Jody Perrecone [REDACTED] Sent You a Personal Message  
<automail@knowwho.com>  
**Sent:** Friday, June 23, 2017 3:12 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,

Jody Perrecone  
[REDACTED]

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

## Brown, Ronda

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**From:** c.d. [REDACTED]  
**Sent:** Thursday, July 27, 2017 10:03 AM  
**To:** DNR.HFPublicComments  
**Subject:** [External] On Woosley Fracking Permit HVHHF-000001

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 cited by the U.S.Geological Survey as having destroyed Pennsylvania forests *permanently*. <http://www.naturalgaswatch.org/?p=1565>

Yours truly,  
B.A. Perry

**Brown, Ronda**

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**From:** Food & Water Watch <act@fwwatch.org> on behalf of Lenora Perry <act@fwwatch.org>  
**Sent:** Tuesday, June 20, 2017 10:12 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,

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. Lenora Perry



## Brown, Ronda

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**From:** Rhonda Perry [REDACTED] Sent You a Personal Message  
<automail@knowwho.com>  
**Sent:** Friday, June 23, 2017 6:27 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,

Rhonda Perry  
[REDACTED]

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



## Brown, Ronda

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**From:** Anita Perteete [REDACTED] Sent You a Personal Message  
<automail@knowwho.com>  
**Sent:** Friday, June 23, 2017 9:41 PM  
**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.

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,

Anita Perteete  
[REDACTED]

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

## Brown, Ronda

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**From:** Russell Pesko [REDACTED] Sent You a Personal Message <automail@knowwho.com>  
**Sent:** Monday, June 26, 2017 2:57 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,

Russell Pesko  
[REDACTED]

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

**Brown, Ronda**

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**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).

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. Charles Peterson



## Brown, Ronda

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**From:** Karen Peterson [REDACTED] Sent You a Personal Message <automail@knowwho.com>  
**Sent:** Friday, June 23, 2017 2:50 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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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 Peterson  
[REDACTED]

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

## Brown, Ronda

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**From:** Lydie Mae Peterson [REDACTED] Sent You a Personal Message  
<automail@knowwho.com>  
**Sent:** Saturday, June 24, 2017 12:53 PM  
**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.

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,

Lydie Mae Peterson  
[REDACTED]

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

## Brown, Ronda

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**From:** Food & Water Watch <act@fwwatch.org> on behalf of Neal Peterson <act@fwwatch.org>  
**Sent:** Saturday, June 24, 2017 9:20 AM  
**To:** DNR.HFPublicComments  
**Subject:** [External] Public Comment regarding HVHHF Review #:000001

**Follow Up Flag:** Follow up  
**Flag Status:** Flagged

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.

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. Neal Peterson





## Brown, Ronda

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**From:** Neal Peterson [REDACTED] Sent You a Personal Message <automail@knowwho.com>  
**Sent:** Monday, June 26, 2017 11:25 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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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,

Neal Peterson  
[REDACTED]

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

## Brown, Ronda

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**From:** Richard Peterson [REDACTED] Sent You a Personal Message <automail@knowwho.com>  
**Sent:** Friday, June 23, 2017 10:44 PM  
**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.

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,

Richard Peterson  
[REDACTED]

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

**Brown, Ronda**

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**From:** Food & Water Watch <act@fwwatch.org> on behalf of Brent Petit <act@fwwatch.org>  
**Sent:** Friday, June 16, 2017 12:41 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,

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

A large black rectangular redaction box covering the signature and name of Mr. Brent Petit.

## Brown, Ronda

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**From:** Food & Water Watch <act@fwwatch.org> on behalf of Emma Petit <act@fwwatch.org>  
**Sent:** Sunday, June 18, 2017 2:16 PM  
**To:** DNR.HFPublicComments  
**Subject:** [External] Public Comment regarding HVHHF Review #:000001

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,

Miss Emma Petit



**Brown, Ronda**

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**From:** Food & Water Watch <act@fwwatch.org> on behalf of Kara Petit <act@fwwatch.org>  
**Sent:** Monday, June 19, 2017 8:49 PM  
**To:** DNR.HFPublicComments  
**Subject:** [External] Public Comment regarding HVHHF Review #:000001

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).

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



## Brown, Ronda

---

**From:** Josephine Petralia [REDACTED] Sent You a Personal Message  
<automail@knowwho.com>  
**Sent:** Friday, June 23, 2017 4:20 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,

Josephine Petralia  
[REDACTED]

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

## Brown, Ronda

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**From:** Rob Petras [REDACTED] Sent You a Personal Message <automail@knowwho.com>  
**Sent:** Saturday, June 24, 2017 1:39 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,

Rob Petras  
[REDACTED]

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

## Brown, Ronda

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**From:** Nicole Petrich [REDACTED] Sent You a Personal Message <automail@knowwho.com>  
**Sent:** Monday, June 26, 2017 8:11 AM  
**To:** DNR.HFPublicComments  
**Subject:** [External] Review Number HVHHF-000001

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://neworleans.legalexaminer.com/toxic-substances/bps-oil-spill-a-gulf-coast-economic-tsunami/>

<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!

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,

Nicole Petrich



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

## Brown, Ronda

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**From:** Olivia Petrides [REDACTED] Sent You a Personal Message <automail@knowwho.com>  
**Sent:** Friday, June 23, 2017 4:19 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,

Olivia Petrides  
[REDACTED]

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

## Brown, Ronda

---

**From:** Charles Petrof [REDACTED] Sent You a Personal Message <automail@knowwho.com>  
**Sent:** Monday, June 26, 2017 8:47 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,

Charles Petrof  
[REDACTED]

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

## Brown, Ronda

---

**From:** Charles Petrof <info@actionnetwork.org>  
**Sent:** Monday, June 26, 2017 8:49 AM  
**To:** DNR.HFPublicComments  
**Subject:** [External] Public Comment regarding HVHHF Review #:000001

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

[REDACTED]  
[REDACTED]  
[REDACTED]

## Brown, Ronda

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**From:** James Pfluecke <info@actionnetwork.org>  
**Sent:** Friday, June 23, 2017 2:37 PM  
**To:** DNR.HFPublicComments  
**Subject:** [External] Public Comment regarding HVHHF Review #:000001

**Follow Up Flag:** Follow up  
**Flag Status:** Flagged

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).

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.

James Pfluecke

[REDACTED]  
[REDACTED]  
[REDACTED]

## Brown, Ronda

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**From:** Food & Water Watch <act@fwwatch.org> on behalf of Linda Phan <act@fwwatch.org>  
**Sent:** Friday, June 16, 2017 9:42 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.

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. Linda Phan



## Brown, Ronda

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**From:** Amy Phillips [REDACTED] Sent You a Personal Message  
<automail@knowwho.com>  
**Sent:** Sunday, June 25, 2017 10:57 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.
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,

Amy Phillips  
[REDACTED]

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

## Brown, Ronda

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**From:** Food & Water Watch <act@fwwatch.org> on behalf of Joan Phillips <act@fwwatch.org>  
**Sent:** Sunday, July 23, 2017 12:12 PM  
**To:** DNR.HFPublicComments  
**Subject:** [External] Public Comment regarding HVHHF Review #:000001

Jul 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).

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. Joan Phillips





## Brown, Ronda

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**From:** Joan Phillips [REDACTED] Sent You a Personal Message <automail@knowwho.com>  
**Sent:** Friday, June 23, 2017 6:31 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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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,

Joan Phillips  
[REDACTED]

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

## Brown, Ronda

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**From:** Steven Pickett [REDACTED] Sent You a Personal Message  
<automail@knowwho.com>  
**Sent:** Friday, June 23, 2017 3:02 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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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,

Steven Pickett  
[REDACTED]

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

## Brown, Ronda

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**From:** Clara Piecuch [REDACTED] Sent You a Personal Message <automail@knowwho.com>  
**Sent:** Friday, June 23, 2017 2:36 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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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,

Clara Piecuch  
[REDACTED]

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

**Brown, Ronda**

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**From:** Food & Water Watch <act@fwwatch.org> on behalf of Troy Pierce <act@fwwatch.org>  
**Sent:** Saturday, June 17, 2017 6:13 AM  
**To:** DNR.HFPublicComments  
**Subject:** [External] Public Comment regarding HVHHF Review #:000001

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,

Mr. Troy Pierce

[Redacted signature]

[Redacted contact information]

## Brown, Ronda

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**From:** Food & Water Watch <act@fwwatch.org> on behalf of Caro Pierceall <act@fwwatch.org>  
**Sent:** Friday, June 16, 2017 2:48 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 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. Caro Pierceall



**Brown, Ronda**

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**From:** Food & Water Watch <act@fwwatch.org> on behalf of Leonard Piersialla <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

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. Leonard Piersialla



## Brown, Ronda

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**From:** Leonard Piersialla [REDACTED] Sent You a Personal Message <automail@knowwho.com>  
**Sent:** Saturday, June 24, 2017 10:14 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.

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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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,

Leonard Piersialla  
[REDACTED]

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

## Brown, Ronda

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**From:** Darlene Pietrzak [REDACTED] Sent You a Personal Message <automail@knowwho.com>  
**Sent:** Friday, June 23, 2017 4:31 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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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.

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 than the money these companies will get exploiting our state.

Sincerely,

Darlene Pietrzak  
[REDACTED]





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

## Brown, Ronda

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**From:** Darlene Pietrzak [REDACTED]  
**Sent:** Tuesday, June 27, 2017 2:23 PM  
**To:** DNR.HFPublicComments  
**Subject:** [External] HVHHF-000001

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 grow 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  
[REDACTED]

## Brown, Ronda

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**From:** annie pike [REDACTED]  
**Sent:** Sunday, July 23, 2017 8:29 PM  
**To:** DNR.HFPublicComments  
**Subject:** [External] Public Comments re: HVHHF #000001  
**Attachments:** Public Comments re HVHHF 000001.pdf

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  
[REDACTED]

Sent Via Email: July 23, 2017

## Brown, Ronda

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**From:** Kathy Pilat [REDACTED] Sent You a Personal Message <automail@knowwho.com>  
**Sent:** Friday, June 23, 2017 11:04 PM  
**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.

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,

Kathy Pilat  
[REDACTED]

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

**Brown, Ronda**

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**From:** Food & Water Watch <act@fwwatch.org> on behalf of Ryan Pilcher <act@fwwatch.org>  
**Sent:** Friday, June 16, 2017 1:11 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,

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



## Brown, Ronda

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**From:** Wes Pinchot [REDACTED] Sent You a Personal Message <automail@knowwho.com>  
**Sent:** Friday, June 23, 2017 7:40 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,

Wes Pinchot  
[REDACTED]

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

## Brown, Ronda

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**From:** Kristin Pink [REDACTED]  
**Sent:** Tuesday, June 27, 2017 6:35 AM  
**To:** DNR.HFPublicComments  
**Subject:** [External] Public Comment regarding Review #: HVHHF-000001

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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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.

Kristin Pink  
[REDACTED]

## Brown, Ronda

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**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 Illinoisans 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.

A large black rectangular redaction box covering the signature area.



## Brown, Ronda

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**From:** Dolores Pino <info@actionnetwork.org>  
**Sent:** Friday, June 23, 2017 4:36 PM  
**To:** DNR.HFPublicComments  
**Subject:** [External] Public Comment regarding HVHHF Review #:000001

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

[REDACTED]  
[REDACTED]  
[REDACTED]

## Radioactivity Associated With Hydraulic Fracturing

Submitted by Frack Free Illinois,

[www.facebook.com/FrackFreeIllinois](http://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](http://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

cause

cancer. <http://www8.nationalacademies.org/onpinews/newsitem.aspx?RecordID=11340>

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>

**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 waste 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.

**Brown, Ronda**

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**From:** Food & Water Watch <act@fwwatch.org> on behalf of Robin Pinsof <act@fwwatch.org>  
**Sent:** Friday, June 16, 2017 1:41 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).

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



## Brown, Ronda

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**From:** Robin Pinsof [REDACTED] Sent You a Personal Message <automail@knowwho.com>  
**Sent:** Saturday, June 24, 2017 7:24 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. Clean air water and soil are natural rights!!! It's your job to protect these rights!!!!

Sincerely,

Robin Pinsof  
[REDACTED]

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



**Brown, Ronda**

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**From:** Food & Water Watch <act@fwwatch.org> on behalf of mark pinter <act@fwwatch.org>  
**Sent:** Saturday, June 17, 2017 3:14 PM  
**To:** DNR.HFPublicComments  
**Subject:** [External] Public Comment regarding HVHHF Review #:000001

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,

Mr. mark pinter



## Brown, Ronda

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**From:** Food & Water Watch <act@fwwatch.org> on behalf of Carol Piotrowski <act@fwwatch.org>  
**Sent:** Friday, June 16, 2017 1:11 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,

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. Carol Piotrowski



**Brown, Ronda**

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**From:** Food & Water Watch <act@fwwatch.org> on behalf of Jim Piper <act@fwwatch.org>  
**Sent:** Friday, June 16, 2017 10:42 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).

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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. Jim Piper



## Brown, Ronda

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**From:** Janet Piraino [REDACTED] Sent You a Personal Message  
<automail@knowwho.com>  
**Sent:** Friday, June 23, 2017 2:48 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.
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,

Janet Piraino  
[REDACTED]

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

## Brown, Ronda

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**From:** Peggy Pissarreck [REDACTED]  
**Sent:** Monday, June 26, 2017 6:24 PM  
**To:** DNR.HFPublicComments  
**Subject:** [External] Public Comment regarding Review #: HVHHF-000001

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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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  
[REDACTED]

## Brown, Ronda

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**From:** Elizabeth Pitrof [REDACTED] Sent You a Personal Message <automail@knowwho.com>  
**Sent:** Friday, June 23, 2017 3:30 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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3. The application conceals information on hazardous fracking chemicals without attempting to demonstrate entitlement to trade secret protection.
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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.

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  
[REDACTED]

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

## Brown, Ronda

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**From:** Kristen Pitzen [REDACTED] Sent You a Personal Message <automail@knowwho.com>  
**Sent:** Thursday, July 27, 2017 6:53 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:

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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,

Kristen Pitzen  
[REDACTED]

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

## Brown, Ronda

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**From:** Deborah Plesha [REDACTED] Sent You a Personal Message  
<automail@knowwho.com>  
**Sent:** Friday, June 23, 2017 2:44 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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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,

Deborah Plesha  
[REDACTED]

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



**Brown, Ronda**

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**From:** Food & Water Watch <act@fwwatch.org> on behalf of Sandra Plocar <act@fwwatch.org>  
**Sent:** Friday, June 16, 2017 1:11 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,

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



## Brown, Ronda

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**From:** Plumer, Landon [REDACTED]  
**Sent:** Thursday, June 22, 2017 9:55 PM  
**To:** DNR.HFPublicComments  
**Subject:** [External] Review No. (HVHHF-000001) Comments

Illinois Department of Natural Resources

IN RE: Review No. HVHHF-000001

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. Woolsey 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

## Brown, Ronda

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**From:** Food & Water Watch <act@fwwatch.org> on behalf of Patricia Podboy <act@fwwatch.org>  
**Sent:** Friday, June 16, 2017 7:42 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.

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**

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**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).

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. Taylor Podboy



## Brown, Ronda

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**From:** Roger Podewell [REDACTED] 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.

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,

Roger Podewell  
[REDACTED]

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

## Brown, Ronda

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**From:** Kathryn Podgorski [REDACTED] Sent You a Personal Message  
<automail@knowwho.com>  
**Sent:** Friday, June 23, 2017 2:49 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,

Kathryn Podgorski  
[REDACTED]

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

## Brown, Ronda

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**From:** Food & Water Watch <act@fwwatch.org> on behalf of Steve Podgorski <act@fwwatch.org>  
**Sent:** Friday, June 16, 2017 12:41 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,

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. Steve Podgorski



## Brown, Ronda

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**From:** Carol Polak [REDACTED] Sent You a Personal Message <automail@knowwho.com>  
**Sent:** Saturday, June 24, 2017 10:23 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 Polak  
[REDACTED]

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



## Brown, Ronda

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**From:** Carol Polak [REDACTED] Sent You a Personal Message <automail@knowwho.com>  
**Sent:** Saturday, June 24, 2017 10:24 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,

Carol Polak  
[REDACTED]

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

## Brown, Ronda

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**From:** S - [REDACTED] 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 -  
[REDACTED]

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

## Brown, Ronda

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**From:** Ellie Poley [REDACTED]  
**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  
[REDACTED]

### 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 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.

- **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 HVHWF 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 50% greater than what the Department itself considers to be the “most commonly reliable figure” for a HVHWF 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.

- 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 HVHFF 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 defined 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 HVHFF 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 HVHFF 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 & HVHFF 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?



## Brown, Ronda

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**From:** Food & Water Watch <act@fwwatch.org> on behalf of Michael Polite <act@fwwatch.org>  
**Sent:** Friday, June 16, 2017 2:11 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.

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



## Brown, Ronda

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**From:** Food & Water Watch <act@fwwatch.org> on behalf of Adrienne Pollitz <act@fwwatch.org>  
**Sent:** Friday, June 16, 2017 1:11 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,

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



## Brown, Ronda

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**From:** judith pollock [REDACTED]  
**Sent:** Monday, June 26, 2017 5:14 PM  
**To:** DNR.HFPublicComments  
**Subject:** [External] Public Comment regarding Review #: HVHHF-000001

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  
[REDACTED]

**Brown, Ronda**

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**From:** Food & Water Watch <act@fwwatch.org> on behalf of leslie ponczek <act@fwwatch.org>  
**Sent:** Monday, June 19, 2017 6:19 PM  
**To:** DNR.HFPublicComments  
**Subject:** [External] Public Comment regarding HVHHF Review #:000001

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).

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 FRACKING

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. leslie ponczek



## Brown, Ronda

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**From:** Food & Water Watch <act@fwwatch.org> on behalf of Carole Pooler <act@fwwatch.org>  
**Sent:** Friday, June 16, 2017 2:11 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.

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



## Brown, Ronda

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**From:** Anne Porowski [REDACTED] Sent You a Personal Message <automail@knowwho.com>  
**Sent:** Wednesday, June 28, 2017 2:49 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.
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,

Anne Porowski  
[REDACTED]

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

## Brown, Ronda

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**From:** Food & Water Watch <act@fwwatch.org> on behalf of H. Porter <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,

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. H. Porter



## Brown, Ronda

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**From:** Mark Porter [REDACTED] Sent You a Personal Message <automail@knowwho.com>  
**Sent:** Monday, June 26, 2017 9:23 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.

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,

Mark Porter  
[REDACTED]

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





## Brown, Ronda

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**From:** Nancy Porter [REDACTED]  
**Sent:** Friday, July 28, 2017 3:36 PM  
**To:** DNR.HFPublicComments  
**Subject:** [External] Public Comment

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

[REDACTED]  
[REDACTED]

Nancy J. Porter

## Brown, Ronda

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**From:** Nancy Porter [REDACTED]  
**Sent:** Friday, July 28, 2017 3:49 PM  
**To:** DNR.HFPublicComments  
**Subject:** [External] Fwd: Public Comment  
**Attachments:** 1968-Healy-Science (1).pdf

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 [REDACTED]  
**Date:** Fri, Jul 28, 2017 at 4:36 PM  
**Subject:** Public Comment  
**To:** [DNR.HFPublicComments@illinois.gov](mailto: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.

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

[REDACTED]

Nancy J. Porter

## Brown, Ronda

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**From:** Food & Water Watch <act@fwwatch.org> on behalf of Rosanne Porter <act@fwwatch.org>  
**Sent:** Tuesday, June 20, 2017 7:50 AM  
**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,

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. Rosanne Porter



## Brown, Ronda

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**From:** Food & Water Watch <act@fwwatch.org> on behalf of Jill Portner <act@fwwatch.org>  
**Sent:** Friday, June 23, 2017 11:48 PM  
**To:** DNR.HFPublicComments  
**Subject:** [External] Public Comment regarding HVHHF Review #:000001

**Follow Up Flag:** Follow up  
**Flag Status:** Flagged

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).

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. Jill Portner



## Brown, Ronda

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**From:** Fraeda Porton [REDACTED] Sent You a Personal Message <automail@knowwho.com>  
**Sent:** Friday, June 23, 2017 4:05 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.
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,

Fraeda Porton  
[REDACTED]

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

## Brown, Ronda

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**From:** Stanley Potash [REDACTED] Sent You a Personal Message  
<automail@knowwho.com>  
**Sent:** Friday, June 23, 2017 4:42 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.
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  
[REDACTED]

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



## Brown, Ronda

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**From:** Jo Ann R. Potashnick [REDACTED]  
**Sent:** Friday, July 28, 2017 2:22 PM  
**To:** DNR.HFPublicComments  
**Subject:** [External] 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,

Jo Ann R Potashnick  
ONE Northside/Fair Economy Illinois  
[REDACTED]

### **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 “fracbarrier” 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 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 HVHWF 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 HVHWF 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 defined 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 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 HVHFF 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 HVHFF 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 & HVHFF 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?

## Brown, Ronda

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**From:** Food & Water Watch <act@fwwatch.org> on behalf of Jo Ann Potashnick <act@fwwatch.org>  
**Sent:** Friday, June 16, 2017 10:12 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.

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



## Brown, Ronda

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**From:** Jo Ann Potashnick [REDACTED] Sent You a Personal Message <automail@knowwho.com>  
**Sent:** Friday, June 23, 2017 5:52 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.
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  
[REDACTED]

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

## Brown, Ronda

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**From:** Food & Water Watch <act@fwwatch.org> on behalf of Kimberly Potucek <act@fwwatch.org>  
**Sent:** Friday, June 16, 2017 4:11 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.

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. Kimberly Potucek



**Brown, Ronda**

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**From:** Food & Water Watch <act@fwwatch.org> on behalf of Patricia Poulin <act@fwwatch.org>  
**Sent:** Friday, June 16, 2017 12:41 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,

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



## Brown, Ronda

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**From:** Kathleen Powell [REDACTED] Sent You a Personal Message  
<automail@knowwho.com>  
**Sent:** Friday, June 23, 2017 7:13 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.
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  
[REDACTED]

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

## Brown, Ronda

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**From:** Food & Water Watch <act@fwwatch.org> on behalf of Cathy Power <act@fwwatch.org>  
**Sent:** Friday, June 16, 2017 1:41 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).

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



## Brown, Ronda

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**From:** Kathy Powers [REDACTED]  
**Sent:** Friday, July 28, 2017 11:11 AM  
**To:** DNR.HFPublicComments  
**Subject:** [External] 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,

[Name]

ONE Northside/Fair Economy Illinois

[Phone]

### 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 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 HVVHF 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 HVHWF 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 HVHWF 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 its 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 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 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 HVVHF 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 HVVHF 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 & HVHFF 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?



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## Brown, Ronda

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**From:** Food & Water Watch <act@fwwatch.org> on behalf of Lori Powers <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.

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





## Brown, Ronda

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**From:** Food & Water Watch <act@fwwatch.org> on behalf of Mary Jo Powers <act@fwwatch.org>  
**Sent:** Saturday, June 24, 2017 9:19 AM  
**To:** DNR.HFPublicComments  
**Subject:** [External] Public Comment regarding HVHHF Review #:000001

**Follow Up Flag:** Follow up  
**Flag Status:** Flagged

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.

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. Mary Jo Powers



## Brown, Ronda

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**From:** Nanette Powers [REDACTED] Sent You a Personal Message  
<automail@knowwho.com>  
**Sent:** Friday, June 23, 2017 3:28 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.
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  
[REDACTED]

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

## **Brown, Ronda**

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**From:** Julie Prandi [REDACTED]  
**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 its 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

[REDACTED]

[REDACTED]

## Brown, Ronda

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**From:** Food & Water Watch <act@fwwatch.org> on behalf of Allison Preble <act@fwwatch.org>  
**Sent:** Tuesday, June 27, 2017 4:39 PM  
**To:** DNR.HFPublicComments  
**Subject:** [External] Public Comment regarding HVHHF Review #:000001

Jun 27, 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. Allison Preble



## Brown, Ronda

---

**From:** Margaret Prechel [REDACTED] 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  
[REDACTED]

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 Denise Pretet <act@fwwatch.org>  
**Sent:** Saturday, June 17, 2017 10:51 PM  
**To:** DNR.HFPublicComments  
**Subject:** [External] Public Comment regarding HVHHF Review #:000001

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

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**From:** Susan Pribyl [REDACTED] 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.

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,

Susan Pribyl  
[REDACTED]

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



## Brown, Ronda

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**From:** Elizabeth Price [REDACTED] Sent You a Personal Message  
<automail@knowwho.com>  
**Sent:** Saturday, June 24, 2017 4:37 PM  
**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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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,

Elizabeth Price  
[REDACTED]

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

## Brown, Ronda

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**From:** Jean Prieboy [REDACTED] Sent You a Personal Message <automail@knowwho.com>  
**Sent:** Wednesday, June 28, 2017 12:59 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.

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,

Jean Prieboy  
[REDACTED]

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



## Brown, Ronda

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**From:** Food & Water Watch <act@fwwatch.org> on behalf of Kim Pritchard <act@fwwatch.org>  
**Sent:** Friday, June 16, 2017 2:41 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).

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



## Brown, Ronda

---

**From:** Food & Water Watch <act@fwwatch.org> on behalf of Patricia Pruitt <act@fwwatch.org>  
**Sent:** Saturday, June 17, 2017 12:49 AM  
**To:** DNR.HFPublicComments  
**Subject:** [External] Public Comment regarding HVHHF Review #:000001

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



## Brown, Ronda

---

**From:** Susan Pryble [REDACTED] Sent You a Personal Message <automail@knowwho.com>  
**Sent:** Saturday, June 24, 2017 10:15 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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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,

Susan Pryble  
[REDACTED]

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

**Brown, Ronda**

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**From:** Pserah [REDACTED]  
**Sent:** Saturday, June 03, 2017 12:35 AM  
**To:** DNR.HFPublicComments  
**Subject:** [External] Review # HVHHF-000001

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

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**From:** Mandy Puchalski [REDACTED] Sent You a Personal Message  
<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.

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,

Mandy Puchalski  
[REDACTED]

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

## Brown, Ronda

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**From:** Food & Water Watch <act@fwwatch.org> on behalf of Linda Wachter Puetz <act@fwwatch.org>  
**Sent:** Friday, June 16, 2017 10:12 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.

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

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**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



**Brown, Ronda**

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**From:** Deb Pusinelli [REDACTED]  
**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

[REDACTED]

Sent from my iPad

## Brown, Ronda

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**From:** Deborah Pusinelli [REDACTED] Sent You a Personal Message <automail@knowwho.com>  
**Sent:** Friday, June 23, 2017 2:36 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.
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,

Deborah Pusinelli  
[REDACTED]

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

## Brown, Ronda

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**From:** John Putnam [REDACTED] Sent You a Personal Message  
<automail@knowwho.com>  
**Sent:** Monday, June 26, 2017 2:01 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.
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.
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  
[REDACTED]



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

## Brown, Ronda

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**From:** Food & Water Watch <act@fwwatch.org> on behalf of Stacey Pyne <act@fwwatch.org>  
**Sent:** Friday, June 16, 2017 2:41 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).

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





## Brown, Ronda

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**From:** Richard Quigley [REDACTED] Sent You a Personal Message <automail@knowwho.com>  
**Sent:** Saturday, June 24, 2017 4:32 PM  
**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.

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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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,

Richard Quigley  
[REDACTED]

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

## Brown, Ronda

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**From:** Alice [REDACTED]  
**Sent:** Tuesday, June 27, 2017 2:30 PM  
**To:** DNR.HFPublicComments  
**Subject:** [External] Review Number (HVHHF-000001)

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  
[REDACTED]

## Brown, Ronda

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**From:** Mary Quinlan [REDACTED] Sent You a Personal Message  
<automail@knowwho.com>  
**Sent:** Sunday, June 25, 2017 11:59 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.
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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,

Mary Quinlan  
[REDACTED]

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

## Brown, Ronda

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**From:** Sharon Quintero [REDACTED] Sent You a Personal Message  
<automail@knowwho.com>  
**Sent:** Saturday, June 24, 2017 10:27 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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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,

Sharon Quintero  
[REDACTED]

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

## Brown, Ronda

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**From:** Celia R. [REDACTED]  
**Sent:** Thursday, July 27, 2017 1:55 PM  
**To:** DNR.HFPublicComments  
**Subject:** [External] Comment: Re Fracking, HVHHF-000001

To whom it may concern:

I'd like to register my express opposition to allowing fracking in Illinois (review number HVHHF-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  
[REDACTED]

## Brown, Ronda

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**From:** Food & Water Watch <act@fwwatch.org> on behalf of Ken Raab <act@fwwatch.org>  
**Sent:** Friday, June 16, 2017 2:11 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.

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

A large black rectangular redaction box covering the signature and name of the sender, Mr. Ken Raab.

## Brown, Ronda

---

**From:** Ken Raab [REDACTED] Sent You a Personal Message <automail@knowwho.com>  
**Sent:** Friday, June 23, 2017 3:16 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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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,

Ken Raab  
[REDACTED]

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

## Brown, Ronda

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**From:** Ann Rabin [REDACTED] Sent You a Personal Message <automail@knowwho.com>  
**Sent:** Friday, June 23, 2017 4:16 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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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,

Ann Rabin  
[REDACTED]

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



## Brown, Ronda

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**From:** Barbara Racana [REDACTED] Sent You a Personal Message <automail@knowwho.com>  
**Sent:** Saturday, June 24, 2017 2:16 PM  
**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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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,

Barbara Racana  
[REDACTED]

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 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 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. Joseph Racine



## Brown, Ronda

---

**From:** Food & Water Watch <act@fwwatch.org> on behalf of Kimberly Radek <act@fwwatch.org>  
**Sent:** Tuesday, June 20, 2017 8:20 AM  
**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



## Brown, Ronda

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**From:** Kathy Ragan [REDACTED] Sent You a Personal Message <automail@knowwho.com>  
**Sent:** Friday, June 23, 2017 9:00 PM  
**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.

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 Ragan  
[REDACTED]

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

## Brown, Ronda

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**From:** Margo Rager [REDACTED] Sent You a Personal Message <automail@knowwho.com>  
**Sent:** Friday, June 23, 2017 7:25 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,

Margo Rager  
[REDACTED]

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

**Brown, Ronda**

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**From:** Food & Water Watch <act@fwwatch.org> on behalf of Michael Rahaman <act@fwwatch.org>  
**Sent:** Friday, June 16, 2017 1:11 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,

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 Rahaman



## Brown, Ronda

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**From:** Michael Rahaman [REDACTED] Sent You a Personal Message  
<automail@knowwho.com>  
**Sent:** Friday, June 23, 2017 2:42 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,

Michael Rahaman  
[REDACTED]

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

## Brown, Ronda

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**From:** Cynthia Ralls [REDACTED] 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,

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.

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,

Cynthia Ralls  
[REDACTED]

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