

## Appendix B: Principal References and Bibliography--Winneshiek County Board of Supervisors Moratorium Fact Finding

March 2, 2015

Dean Thompson and Dennis Karlsbrotten

### Background

Listed below are references to websites, figures, data sets, maps, spreadsheets, publications, government reports, presentations, news articles, petitions, letters and unsolicited submissions that have been selected for consideration pursuant to Winneshiek County Board of Supervisors Resolutions 13-49, 13-65 and 15-18 regarding moratorium fact finding.

Citations were compiled in EndNote®. Citations refer to available online (URL) sources and County-managed local storage for selected reference materials.

Citations are grouped by EndNote reference type:

Web pages or sites	Hearings
Unpublished works	Grants (submissions)
Theses	Government documents
Statutes	Generic
Reports	Figures
Pamphlets	Data sets
Newspaper articles	Conference proceedings (and
Maps	Powerpoint presentations)
Magazine articles	Cases (legal)
Journal articles (including	Books
Law Review)	

Public interest, engagement and communication are reflected in articles and opinions on silica/frac sand mining operations and related topics reported in Decorah and southeastern Minnesota news sources for the period 2013-2014. They are grouped by source (see the concluding section [Local Media](#)).

This document includes hyperlinks to major sections: References (first page) and Local Media (including Decorah Newspapers, Decorahnews.com and Bluff County News).

This document is available online ([here](#)).

## Citations

**Reference Type:** Web Page

**Record Number:** 184

**Title:** State of Minnesota Silica Sand Information

**Place Published:** Environmental Quality Board

**URL:** <http://silicasand.mn.gov/>

**Reference Type:** Web Page

**Record Number:** 183

**Title:** Library of Local Government Ordinances & Permits Regulating Silica Sand

**Place Published:** Minnesota Environmental Quality Board

**Notes:** This is a library of local government ordinances and permits that have been approved for the regulation of silica sand projects. It is created for reference by local governments. The library includes two types of documents. Most are excerpts of larger zoning ordinances, sections of the zoning ordinances that do or could apply to mining, processing, or transporting of silica sand. The second type of document is permits, approvals, or denials of specific projects.

**URL:** <https://www.eqb.state.mn.us/content/library-local-government-ordinances-permits-regulating-silica-sand>

**Reference Type:** Web Page

**Record Number:** 182

**Title:** Resources on Minnesota Issues Silica (Frac) Sand Mining

**Abstract:** This guide is compiled by staff at the Minnesota Legislative Reference Library on a topic of interest to Minnesota legislators. It is designed to provide an introduction to the topic, directing the user to a variety of sources, and is not intended to be exhaustive. In particular, it is focused on items available in the Legislative Reference Library.

**URL:** <http://www.leg.state.mn.us/lrl/issues/issues.aspx?issue=fracsands>

**Reference Type:** Web Page

**Record Number:** 180

**Title:** Wisconsin Center for Investigative Journalism Project: Wisconsin's Sand Rush

**Research Notes:** The Wisconsin Center for Investigative Journalism is a nonprofit, nonpartisan 501(c)(3) organization that is primarily funded through grants and donations from foundations and individuals.

**URL:** <http://wisconsinwatch.org/series/frac-sand/>

**Reference Type:** Web Page

**Record Number:** 164

**Title:** Chippewa County, Wisconsin, Groundwater Study

**Notes:** Long-term and ongoing study of effects of mining on groundwater resources.

**URL:** <http://wgnhs.uwex.edu/pubs/fs07/>

**Reference Type:** Web Page

**Record Number:** 162

**Title:** Air Monitoring Map for Industrial Sand Mine/Processing Plants

**Series Title:** Wisconsin Department of Natural Resources

**Notes:** Wisconsin air quality monitoring of silica sand industry.

**URL:** <http://dnr.wi.gov/topic/Mines/AQSandMap.html>

**Reference Type:** Web Page

**Record Number:** 140

**Title:** Oil and Gas Journal (online)

**URL:** <http://www.ogj.com/index.html>

**Reference Type:** Web Page

**Record Number:** 139

**Title:** Environmental Working Group

**URL:** <http://www.ewg.org/>

**Reference Type:** Web Page

**Record Number:** 138

**Title:** Land Stewardship Project

**Contents:** Minnesota advocacy or farmland and sustainable agriculture.

**URL:** <http://landstewardshipproject.org/>

**Reference Type:** Web Page

**Record Number:** 137

**Title:** Oil and Gas Financial Journal

**URL:** <http://www.ogfj.com/index.html>

**Reference Type:** Web Page

**Record Number:** 136

**Title:** Seeking Alpha

**Contents:** Includes energy markets and analysis. See

<http://seekingalpha.com/article/2782935-some-facts-about-u-s-frac-sand-market-emerge-energy-services-hi-crush-partners-u-s-silica> (Requires free account for access.)

**URL:** <http://seekingalpha.com>

**Reference Type:** Web Page

**Record Number:** 135

**Title:** National Industrial Sand Association

**Contents:** Industry.

**URL:** <http://www.sand.org/>

**Reference Type:** Web Page

**Record Number:** 134

**Title:** Midwest Energy News

**URL:** <http://www.midwestenergynews.com/>

**Reference Type:** Web Page  
**Record Number:** 133  
**Title:** Wisconsin Industrial Sand Association (WISA)  
**Contents:** Silica (frac) sand mining industry information about Wisconsin.  
**URL:** <http://www.wisconsinsand.org/>

**Reference Type:** Web Page  
**Record Number:** 131  
**Title:** Community Rights Alliance of Winneshiek County  
**Contents:** Advocacy  
**URL:** <http://www.communityrightsalliance.org/p/about.html>

**Reference Type:** Web Page  
**Record Number:** 130  
**Title:** Winneshiek County Protectors  
**Contents:** Advocacy  
**URL:** <http://winneshiekcountyprotectors.com/>

**Reference Type:** Web Page  
**Record Number:** 129  
**Title:** Allamakee County Protectors  
**Contents:** Advocacy  
**URL:** <http://www.allamakeecountyprotectors.org/>

**Reference Type:** Web Page  
**Record Number:** 128  
**Title:** Rock Products  
**Contents:** Surface mining industry information.  
**URL:** <http://www.rockproducts.com/>

**Reference Type:** Web Page  
**Record Number:** 127  
**Title:** U.S. Energy Information Administration  
**URL:** <http://www.eia.gov/>

**Reference Type:** Web Page  
**Record Number:** 126  
**Title:** Progressive Railroading  
**Contents:** Railroad information.  
**URL:** <http://www.progressiverailroading.com/>

**Reference Type:** Web Page  
**Record Number:** 125  
**Title:** Frac Sand Frisbee  
**Contents:** Wisconsin blog on silica (frac) sand mining.  
**URL:** <http://fracsandfrisbee.com/>

**Reference Type:** Web Page  
**Record Number:** 124  
**Title:** Winona County, Minnesota (Silica Sand Mining Information)  
**Contents:** Information on silica (frac) sand mining, municipal zoning and permitting.  
**URL:** <http://www.co.winona.mn.us/page/3115>

**Reference Type:** Web Page  
**Record Number:** 123  
**Title:** Sand Point Times  
**Contents:** Southeast Minnesota advocacy: information about silica (frac) sand mining and environment.  
**URL:** <http://www.sandpointtimes.com/>

**Reference Type:** Web Page  
**Record Number:** 122  
**Title:** The Frac Sand Weekly: News and Opinions about the Minnesota and Wisconsin Frac Sand Boom, and its Environmental Health Implications  
**URL:** <http://paper.li/eiNetMN/1343575189>

**Reference Type:** Web Page  
**Record Number:** 121  
**Title:** City of Winona, Minnesota (Frac Sand Information)  
**Contents:** Information on silica (frac) sand mining, county zoning and permitting.  
**URL:** <http://www.cityofwinona.com/city-services/planning-zoning/frac-sand-information/>

**Reference Type:** Web Page  
**Record Number:** 120  
**Title:** Minnesota Department of Natural Resources -- Lands and Minerals (Silica Sand Information)  
**Contents:** Information on silica (frac) sand mining.  
**URL:** <http://www.dnr.state.mn.us/silicasand/index.html - 1>

**Reference Type:** Unpublished Work  
**Record Number:** 2  
**Author:** Smith, Austen J  
**Year:** 2014  
**Title of Work:** Assessment of Site Suitability for Frac Sand Mining in Winneshiek County: A Synthesis of Analysis  
**Institution:** University of Iowa  
**Pages:** 18  
**Department:** Geographical and Sustainability Sciences  
**Date:** December 2014  
**Type of Work:** Project paper  
**Keywords:** Silica, sand, St. Peter, kriging, geostatistics, IISC

**Notes:** Preliminary and tentative. Smith's paper utilizes geostatistical methods (e.g., kriging) to estimate the extent and depths of St. Peter Sandstone. Geosam records (<http://geosam.ihr.uiowa.edu/records>) of wells and borings are used. Proposes incorporation of methods and findings in IISC GEEMap work in 2015.  
**'File' Attachments:** internal-pdf://0719885386/Assessment of Site Suitability for Frac Sand.docx

**Reference Type:** Thesis  
**Record Number:** 143  
**Author:** Knudson, Karla  
**Year:** 2005  
**Title:** Groundwater Geochemistry Above and Below the Decorah Aquitard  
**University:** Carleton College, Northfield, Minnesota  
**Degree:** B.A.  
**URL:**  
<http://www.carleton.edu/departments/geol/Resources/comps/CompsPDFfiles/2005/Knudson2005.pdf>  
**'File' Attachments:** internal-pdf://2442186210/Knudson2005-1.pdf

**Reference Type:** Statute  
**Record Number:** 25  
**Year:** 2014  
**Name of Act:** Aggregate Material Removal; Production Tax  
**Code:** 298.75  
**Source:** Minnesota Statutes  
**Statute Number:** 298.75  
**URL:** <https://www.revisor.mn.gov/statutes/?id=298.75&format=pdf>  
**'File' Attachments:** internal-pdf://0943947739/298.75.pdf

**Reference Type:** Statute  
**Record Number:** 102  
**Year:** 2013  
**Name of Act:** Emission Standards for Contaminants  
**Source:** Environmental Protection, IAC Chapter 23, 567-23.1  
**URL:** <https://drive.google.com/open?id=0B0sxqVnWGVG1NTllUDcyYnhiQ0U&authuser=0>  
**'File' Attachments:** internal-pdf://0719885382/Fugitive Dust and Emissions567.23.doc.rtf

**Reference Type:** Report  
**Record Number:** 44  
**Author:** Wilde, James  
**Year:** 2012  
**Title:** Effect of Heavy Loads on Pavements  
**Place Published:** Houston County Board of Commissioners Meeting 19 March 2012  
**Pages:** 19  
**Type:** Powerpoint

**Notes:** Effects (damage) of heavy truck traffic; silica sand mines.

**URL:** <http://www.co.houston.mn.us/documents/fracsand/effectofheavyloads-wjwilde.pdf>

**'File' Attachments:** internal-pdf://0304089172/HoustonMNEffectOfHeavyLoads-WJWilde.pdf

**Reference Type:** Report

**Record Number:** 217

**Author:** Smith, Austen J.

**Year:** 2015

**Title:** Where is the Sand? Using Geo-spatial Point Data to Approximate 3D Subsurface Geology

**Pages:** 38

**Publisher:** School of Urban & Regional Planning, University of Iowa

**Notes:** Powerpoint presentation (videoconference) to the Winneshiek Board of Supervisors, February 9, 2015

**URL:** <https://drive.google.com/open?id=0B0sxqVnWGVG1clAxZmhfVUZvMzg&authuser=0>

**'File' Attachments:** internal-pdf://0719885375/Where is the SandNEW.pptx

**Reference Type:** Report

**Record Number:** 45

**Author:** Shukert, Martin

**Year:** 2014

**Title:** The Decorah-Winneshiek County CHAT Report: A Community Housing Assessment Team Study

**Institution:** RDG Planning & Design

**Pages:** 124

**Type:** Powerpoint

**URL:** [http://www.decorahia.org/pdf/Decorah-Winneshiek CHAT.pdf](http://www.decorahia.org/pdf/Decorah-Winneshiek%20CHAT.pdf)

**'File' Attachments:** internal-pdf://2442186215/Decorah-Winneshiek CHAT.pdf

**Reference Type:** Report

**Record Number:** 19

**Author:** Power, Thomas Michael and Power, Donovan S

**Year:** 2013

**Title:** The Economic Benefits and Costs of Frac-Sand Mining in West Central Wisconsin: Phase One of Study -- General Economic & Community Overview.

**Pages:** 74

**Publisher:** Wisconsin Farmers Union, Wisconsin Towns Association and Institute for Agriculture and Trade Policy

**URL:**

[http://www.wisconsinfarmersunion.com/webfiles/fnitools/documents/2013\\_10\\_18\\_fracsandmining.pdf](http://www.wisconsinfarmersunion.com/webfiles/fnitools/documents/2013_10_18_fracsandmining.pdf)

**'File' Attachments:** internal-pdf://1433925857/POWERS2013\_05\_30\_FracSandMining\_f-1.pdf

**Reference Type:** Report

**Record Number:** 52  
**Author:** Porter, Stephanie  
**Year:** 2014  
**Title:** Breaking the Rules for Profit  
**Institution:** The Land Stewardship Project  
**URL:** <http://www.landstewardshipproject.org>  
<https://landstewardshipproject.org/posts/667>  
**'File' Attachments:** internal-pdf://1129566413/breaking\_the\_rules\_for\_profit\_11\_26\_14.pdf

**Reference Type:** Report  
**Record Number:** 36  
**Author:** Mullen, Clancy  
**Year:** 2012  
**Title:** State Impact Fee Enabling Acts  
**Institution:** Duncan Associates  
**Pages:** 326  
**URL:** <http://www.impactfees.com/>  
**'File' Attachments:** internal-pdf://3172686009/ImpactFEESstate\_enabling\_acts.pdf

**Reference Type:** Report  
**Record Number:** 46  
**Author:** Mitchell, Brouse, Della Caldwell, Raymond Heitner, Kelsey Morfitt, David Sweeney  
**Year:** 2014  
**Title:** Frac-Sand Mining in Iowa's Winneshiek County: A Comprehensive Impact Study  
**Pages:** 39  
**Publisher:** School of Urban & Regional Planning, University of Iowa  
**Notes:** Powerpoint presentation (videoconference) to the Winneshiek Board of Supervisors, December 1, 2014  
**URL:**  
<https://drive.google.com/open?id=0B0sxqVnWGVG1WUNPUmV3S255S3M&authuser=0>  
**'File' Attachments:** internal-pdf://2426206510/ECONFinal PP FRAC SAND presentation 12\_1\_14.pptm

**Reference Type:** Report  
**Record Number:** 1  
**Author:** Mitchell, Brouse, Della Caldwell, Raymond Heitner, Kelsey Morfitt, David Sweeney  
**Year:** 2014  
**Title:** Frac Sand Mining in Iowa's Winneshiek County: A Comprehensive Impact Study First Semester Report  
**Institution:** University of Iowa School of Urban and Regional Planning & Iowa Initiative for Sustainable Communities  
**Pages:** 58  
**Date:** December 2014  
**Contents:** Preliminary and tentative report of findings.  
**Keywords:** Silica, sand, St. Peter, economic, benefit cost, IISC



**Abstract:** Economic impact study of potential benefits in Winneshiek County. The final study in May will include analysis of costs (monetized and otherwise).

**Notes:** Preliminary and tentative draft.

**'File' Attachments:** internal-pdf://3829176425/FRAC Sand Final Document.pdf

**Reference Type:** Report

**Record Number:** 20

**Author:** Kline, Aaron and Osterberg, David

**Year:** 2014

**Title:** Digging Deeper on Frac Sand Mining: Industry Presents Water, Tourism Issues in Northeast Iowa

**Place Published:** Iowa City, Iowa

**Institution:** The Iowa Policy Project

**Pages:** 27

**URL:** <http://www.iowapolicyproject.org/2014docs/140130-fracsand.pdf>

**'File' Attachments:** internal-pdf://3733474012/KlineandOsterbergJan2014.pdf

**Reference Type:** Report

**Record Number:** 87

**Author:** Kelly, James

**Year:** 2013

**Title:** Silica Sand Mining: Air Quality Considerations

**Place Published:** Minnesota Department of Health

**Pages:** 16

**URL:**

<https://drive.google.com/open?id=0B0sxqVnWGVG1c1lBTHVER3lmUXc&authuser=0>

**'File' Attachments:** internal-pdf://0076065818/Silica sand mining and health 2113(1).ppt

**Reference Type:** Report

**Record Number:** 30

**Author:** Hart, Maria V, Adams, Teresa and Schwartz, Andrew

**Year:** 2013

**Title:** Transportation Impacts of Frac Sand Mining in the MAFC Region: Chippewa County Case Study

**Series Title:** White Paper

**Place Published:** University of Wisconsin--Madison

**URL:** <http://midamericafreight.org/wp-content/uploads/FracSandWhitePaperDRAFT.pdf>

**'File' Attachments:** internal-pdf://2511712092/FracSandWhitePaperDRAFT.pdf

**Reference Type:** Report

**Record Number:** 86

**Author:** Green, J.A.

**Year:** 2013

**Title:** Hydraulic Impacts of Limestone Quarries and Gravel Pits

**Place Published:** Minnesota Department of Natural Resources--Division of Ecological &

Water Resources

**Pages:** 32

**Type:** Powerpoint

**URL:**

<https://drive.google.com/open?id=0B0sxqVnWGVG1TXNsQWxIdWtDcTA&authuser=0>

**'File' Attachments:** internal-

pdf://3386519677/LCMR\_Winona\_Feb\_2013\_report\_impct\_rec\_LGU\_symp.ppt

**Reference Type:** Report

**Record Number:** 216

**Author:** Finzel, Emily S.

**Year:** 2015

**Title:** Frac Sand Suitability of the St. Peter Formation, Winneshiek County, IA

**Pages:** 18

**Publisher:** School of Urban & Regional Planning, University of Iowa

**Notes:** Powerpoint presentation (videoconference) to the Winneshiek Board of Supervisors, February 9, 2015

**URL:**

<https://drive.google.com/open?id=0B0sxqVnWGVG1MzVSNDFLX2pZTk0&authuser=0>

**'File' Attachments:** internal-pdf://3829176413/Feb9-Finzel.pptx

**Reference Type:** Report

**Record Number:** 77

**Author:** Erickcek, George A

**Year:** 2006

**Title:** An Assessment of the Economic Impact of the Proposed Stoneco Gravel Mine Operation on Richland Township

**Place Published:** W.E. Upjohn Institute for Employment Research

**URL:** [http://wisctowns.com/uploads/ckfiles/files/Ericeck\\_study.pdf](http://wisctowns.com/uploads/ckfiles/files/Ericeck_study.pdf)

**'File' Attachments:** internal-pdf://3520709988/property value study[1].pdf

**Reference Type:** Report

**Record Number:** 26

**Author:** Duley, C and Deller, S

**Year:** 2012

**Title:** The Economics of Sand Mining and Buffalo County. University of Wisconsin-Cooperative Extension

**URL:** <http://buffalo.uwex.edu/files/2011/12/frac-sand-Final-Report-version-1-4.pdf>

**'File' Attachments:** internal-pdf://3616831742/Economics of Sand Mining and Buffalo County-Fi.pdf

internal-pdf://2040651434/Economics of Sand Mining & Buffalo County, WI-.pdf

**Reference Type:** Report

**Record Number:** 59

**Author:** Djuric, Ana

**Year:** 2012

**Title:** Drilling through Groundwater Aquifers; General Definitions, Practices and Environmental Considerations

**Institution:** Halliburton Baroid

**Pages:** 16

**URL:**

[http://www.halliburton.com/public/bar/contents/papers\\_and\\_articles/web/groundwater\\_white\\_paper\\_djuric\\_2012.pdf](http://www.halliburton.com/public/bar/contents/papers_and_articles/web/groundwater_white_paper_djuric_2012.pdf)

**'File' Attachments:** internal-

pdf://1374344043/groundwater\_white\_paper\_djuric\_2012.pdf

**Reference Type:** Report

**Record Number:** 84

**Author:** Christianson, Dave

**Year:** 2012

**Title:** Transportation of Silica Sand in Minnesota, Red Wing Briefing

**Place Published:** Minnesota Department of Transportation

**Pages:** 27

**Notes:** Powerpoint

**URL:** <http://www.dot.state.mn.us/frac/PDF/TransportingSilicaSandMN.pdf>

**'File' Attachments:** internal-pdf://1244316437/Commercial Transport of Silica Sand Winona Ro.pptx

**Reference Type:** Report

**Record Number:** 15

**Author:** Chapman, Emily, Hopkins, Lyle, Jasset, Alex, Sheldon, Set and Smith, Grant

**Year:** 2014

**Title:** Communities At Risk: Frac Sand Mining in the Upper Midwest. A Report by Boston Action Research (a project of Civil Society Institute)

**Place Published:** Boston, MA

**Pages:** 48

**URL:** [http://www.civilsocietyinstitute.org/media/pdfs/092514\\_CSI\\_BAR\\_frac\\_sand\\_mining\\_report\\_FINAL2\\_-\\_EMBARGOED.pdf](http://www.civilsocietyinstitute.org/media/pdfs/092514_CSI_BAR_frac_sand_mining_report_FINAL2_-_EMBARGOED.pdf)

**'File' Attachments:** internal-pdf://2332287174/092514\_CSI\_BAR\_frac\_sand\_mining\_report\_FINAL2.pdf

**Reference Type:** Report

**Record Number:** 48

**Author:** Anderson, Ray

**Year:** 2012

**Title:** U.S. Geological Survey Airborne Study of Northeast Iowa

**Institution:** Iowa Geological & Water Survey

**Pages:** 4

**URL:**

[http://www.google.com/url?sa=t&rct=j&q=&esrc=s&source=web&cd=1&ved=0CB4QFjAA&url=http%3A%2F%2Fwww.iowadnr.gov%2FPortals%2Fidnr%2Fuploads%2Fgeology%2Fhome%2FNE\\_Iowa\\_mineral\\_survey.pdf&ei=u3PBVKvfjoijNrSog-](http://www.google.com/url?sa=t&rct=j&q=&esrc=s&source=web&cd=1&ved=0CB4QFjAA&url=http%3A%2F%2Fwww.iowadnr.gov%2FPortals%2Fidnr%2Fuploads%2Fgeology%2Fhome%2FNE_Iowa_mineral_survey.pdf&ei=u3PBVKvfjoijNrSog-)

[AB&usg=AFQjCNFDNuf2G-dM0d7LzG-utR9PSzrbQ&sig2=QXhqip86cuE-s\\_FLUaHtbw](#)  
**'File' Attachments:** internal-pdf://3516616717/1212 USGS Airborne Study of NE Iowa.pdf

**Reference Type:** Report

**Record Number:** 34

**Author:** Association, St. Croix River

**Year:** 2013

**Title:** Minnesota Model County Mining Ordinance

**Pages:** 1-26

**Abstract:** This model ordinance was developed by the St. Croix River Association to help counties and municipalities regulate nonmetallic mining in the St. Croix watershed for the protection and preservation of the St. Croix River.

**URL:** <http://109.73.230.40/~stcroixr/wp-content/uploads/2013/04/SCRA-MN-Model-Ordinance-20133.pdf>

**'File' Attachments:** internal-pdf://3829176424/SCRA-MN-Model-Ordinance-20133.pdf

**Reference Type:** Report

**Record Number:** 132

**Year:** 2014

**Title:** A Community Bill of Rights Ordinance

**Place Published:** Community Rights Alliance of Winneshiek County, Iowa

**URL:**

<https://drive.google.com/uc?export=download&id=0B756ZELdY99DWTgwY2p1WWVSSW5fdWVYR09ISHk1aXZoVlhB>

**'File' Attachments:** internal-pdf://4084960731/Final Reviewed Winneshiek County Ordinance 2-1.pdf

**Reference Type:** Report

**Record Number:** 64

**Year:** 2014

**Title:** Petition for a Strategic Analysis of Frac Sand Mining

**Place Published:** Midwest Environmental Advocates

**Pages:** 29

**URL:** <http://midwestadvocates.org/truecostofsand>

**'File' Attachments:** internal-pdf://3616831741/2014-9-12\_frac\_sand\_stratgic\_analysis\_petition.pdf

**Reference Type:** Report

**Record Number:** 55

**Year:** 2014

**Title:** Comparison of Proposed Winneshiek County Zoning Ordinance Industrial Minerals Mining Section to Approved Allamakee County Zoning Ordinance Mining Section

**Place Published:** Winneshiek County Protectors

**Pages:** 14

**URL:** <https://drive.google.com/open?id=0B0sxqVnWGVG1dHRZTVdrUEljdIE&authuser=0>

**'File' Attachments:** internal-pdf://4084960732/WCP - Comparison of Proposed Winneshiek County.doc

**Reference Type:** Report

**Record Number:** 108

**Year:** 2013

**Title:** Silica Sand Mining for Use in Fracking: A Review of the Land Use, Impacts and regulation in Allamakee County

**Place Published:** Allamakee County, Iowa

**Pages:** 82

**Contents:** Powerpoint presentation

**Notes:** Presentation to the Iowa State Association of Counties

**URL:**

<https://drive.google.com/open?id=0B0sxqVnWGVG1RGtsOWhPUW02dTg&authuser=0>

**'File' Attachments:** internal-pdf://2426206509/LEGAL PITFALLS of sand mining.pptx

**Reference Type:** Report

**Record Number:** 98

**Year:** 2013

**Title:** Winneshiek County Zoning Ordinance, Proposed New Section 712, Excavation and Mining of Industrial Minerals

**Place Published:** Winneshiek County Protectors

**Pages:** 15

**URL:**

<https://drive.google.com/open?id=0B0sxqVnWGVG1eHZfcU1RYWgzVTA&authuser=0>

**'File' Attachments:** internal-pdf://1590079444/Winneshiek County - Proposed Silica Sand Ordin.doc

**Reference Type:** Report

**Record Number:** 62

**Year:** 2013

**Title:** Environmental Impacts of Water Treatment Chemicals at Industrial Sand Mines

**Institution:** Barr Engineering Co.

**Pages:** 6

**URL:**

[https://www.google.com/url?sa=t&rct=j&q=&esrc=s&source=web&cd=1&ved=0CCAQFjAA&url=https%3A%2F%2Fwww.barr.com%2Fdownload%2F331&ei=A\\_HEVP2JG8aegwTD2YPQAQ&usg=AFQjCNHbXHMAZ7zeE\\_3JADQJ9re087njVw&sig2=pK9NI2KH2WGWZqwz8uoaEg&bvm=bv.84349003,d.eXY](https://www.google.com/url?sa=t&rct=j&q=&esrc=s&source=web&cd=1&ved=0CCAQFjAA&url=https%3A%2F%2Fwww.barr.com%2Fdownload%2F331&ei=A_HEVP2JG8aegwTD2YPQAQ&usg=AFQjCNHbXHMAZ7zeE_3JADQJ9re087njVw&sig2=pK9NI2KH2WGWZqwz8uoaEg&bvm=bv.84349003,d.eXY)

**'File' Attachments:** internal-pdf://2053999931/white paper\_frac sand\_WEB.pdf

**Reference Type:** Pamphlet

**Record Number:** 73

**Year:** nd

**Title:** Pattison Sand Company, LLC Background

**Place Published:** Pattison Sand Company

**Pages:** 1

**URL:** <http://www.pattisonsand.com/>

**'File' Attachments:** internal-pdf://2474738234/PattisonOne-Page PSC-rev.doc

**Reference Type:** Pamphlet

**Record Number:** 179

**Year:** 2013

**Title:** Informational Meeting on Silica Sand Mining Potential in Winneshiek County, February 20, 2013, Decorah, Iowa

**Place Published:** Winneshiek County Protectors

**URL:**

<https://drive.google.com/open?id=0B0sxqVnWGVG1T1g0eXdHek5YcXM&authuser=0>

**'File' Attachments:** internal-pdf://0719885379/WCPFEB202013.pdf

**Reference Type:** Pamphlet

**Record Number:** 58

**Year:** 2013

**Title:** Crystalline Silica

**Place Published:** Wisconsin Industrial Sand Association

**URL:** <https://drive.google.com/open?id=0B0sxqVnWGVG1aWs4c1JlcFh2MTQ&authuser=0>

**'File' Attachments:** internal-pdf://4146382462/Crystalline-Silica-Final-May-2013.pdf

**Reference Type:** Pamphlet

**Record Number:** 99

**Year:** 2012

**Title:** Frequently Asked Questions

**Published Source:** Fairmount Minerals--Wisconsin Industrial Sand Co.

**URL:**

<https://drive.google.com/open?id=0B0sxqVnWGVG1aVNZQzc3ck1XWnM&authuser=0>

**'File' Attachments:** internal-pdf://1402586708/FairmontMinWisconsin-Industrial-Sand-FAQ.pdf

**Reference Type:** Newspaper Article

**Record Number:** 60

**Reporter:** Hirji, Zahra

**Year:** 2014

**Title:** Trucks Hauling Frac Sand Not a Source of Lung-Disease Dust, Data Shows

**Publisher:** InsideClimate News

**URL:** <http://insideclimatenews.org>

<https://drive.google.com/open?id=0B0sxqVnWGVG1RGNlanBFVG1Bc00&authuser=0>

**'File' Attachments:** internal-pdf://0945117276/Trucks Hauling Frac Sand Not a Source of Lung-.pdf

**Reference Type:** Map

**Record Number:** 74

**Year:** 2013

**Title:** Quartz-Rich Sandstone Within 50 Feet of Land Surface in Minnesota, Minnesota Department of Natural Resources - Division of Lands & Minerals

**Place Published:** Minnesota Department of Natural Resources - Division of Lands & Minerals

**Description:** Estimate of quartz-rich sandstone in southeast Minnesota

**URL:**

<https://drive.google.com/open?id=0B0sxqVnWGVG1MmJHWEpJN21DYUE&authuser=0>

**'File' Attachments:** internal-pdf://0352406219/MNactive\_silica\_sand\_mines.pdf

**Reference Type:** Magazine Article

**Record Number:** 92

**Author:** McLeod, Reggie

**Year:** 2011

**Title:** \$and Dollars -- Mining Frac Sand in the River Valley

**Magazine:** Big River Magazine / July-August 2011

**URL:** <http://www.bigrivermagazine.com/fracsand.pdf>

**'File' Attachments:** internal-pdf://2027907669/WhySandMiningisDifferentBigRiverMag.pdf

**Reference Type:** Magazine Article

**Record Number:** 71

**Author:** Buchsbaum, Lee

**Year:** 2013

**Title:** The Future of Fracking

**Magazine:** Mining Magazine, May 2013

**Issue Number:** May 2013

**Pages:** 6

**URL:**

<https://drive.google.com/open?id=0B0sxqVnWGVG1WU02WkpzZmVkUm8&authuser=0>

**'File' Attachments:** internal-pdf://3617318128/Mining Magazine - The future of fracking.pdf

**Reference Type:** Magazine Article

**Record Number:** 88

**Year:** 2014

**Title:** Localizing Regulation

**Magazine:** Oil and Gas Journal, July 7, 2014

**Start Page:** 30

**Type of Article:** Editorial

**URL:**

<https://drive.google.com/open?id=0B0sxqVnWGVG1a9JQ3FOOFV1ZGM&authuser=0>

**'File' Attachments:** internal-pdf://1395235128/0032\_dxgfnm.png

**Reference Type:** Magazine Article

**Record Number:** 51

**Year:** 2014

**Title:** Frac Sand Insider  
**Magazine:** Rock Products  
**Pages:** 12  
**URL:**  
<https://drive.google.com/open?id=0B0sxqVnWGVG1b3pQcTYONG5RSEE&authuser=0>  
**'File' Attachments:** internal-pdf://1734575198/RockProductsNov2014FracSandInsider.pdf

**Reference Type:** Journal Article  
**Record Number:** 116  
**Author:** Wiseman, Hannah Jacobs  
**Year:** 2014  
**Title:** Remedying Regulatory Diseconomies of Scale  
**Journal:** Boston University Law Review  
**Volume:** 94  
**Issue:** 235  
**URL:** <http://www.bu.edu/bulawreview/files/2014/03/WISEMAN.pdf>  
**'File' Attachments:** internal-pdf://1734575197/WISEMAN.pdf

**Reference Type:** Journal Article  
**Record Number:** 225  
**Author:** Smith, V Kerry and Huang, Ju-Chin  
**Year:** 1995  
**Title:** Can markets value air quality? A meta-analysis of hedonic property value models  
**Journal:** Journal of political economy  
**Pages:** 209-227  
**ISSN:** 0022-3808  
**Abstract:** This paper reports the results of a statistical summary of estimates of the marginal willingness to pay (MWTP) for reducing particulate matter from hedonic property value models developed between 1967 and 1988. Results using both ordinary least squares and minimum absolute deviation estimators suggest that market conditions and the procedures used to implement the hedonic models were important to the resulting MWTP estimates. The interquartile range for these estimated marginal values (measured as a change in asset prices) lies between zero and \$98.52 (in 1982-84 dollars) for a one-unit reduction in total suspended particulates (in micrograms per cubic meter). The mean MWTP is nearly five times the median (\$109.90 vs. \$22.40), suggesting that outliers are important influences to any summary statistics for these estimates.  
**URL:**  
<http://www.jstor.org/discover/10.2307/2138724?sid=21105418454751&uid=4&uid=3739640&uid=2&uid=3739256>

**Reference Type:** Journal Article  
**Record Number:** 117  
**Author:** Simonelli, Jeanne  
**Year:** 2014  
**Title:** Home Rule and Natural Gas Development in New York: Civil Fracking Rights



**Journal:** Journal of Political Ecology  
**Volume:** 14  
**Pages:** 258-278  
**URL:** [http://jpe.library.arizona.edu/volume\\_21/Simonelli.pdf](http://jpe.library.arizona.edu/volume_21/Simonelli.pdf)  
**'File' Attachments:** internal-pdf://1129566412/Simonelli.pdf

**Reference Type:** Journal Article  
**Record Number:** 110  
**Author:** Shay, Giovanna  
**Year:** 2011  
**Title:** Similarly Situated  
**Journal:** George Mason Law Review  
**Volume:** 19  
**Issue:** 3  
**Pages:** 581-624  
**URL:** [http://georgemasonlawreview.org/wp-content/uploads/2014/03/18\\_3-Shay.pdf](http://georgemasonlawreview.org/wp-content/uploads/2014/03/18_3-Shay.pdf)  
**'File' Attachments:** internal-pdf://3516616716/SimilarlySituatdShay.pdf

**Reference Type:** Journal Article  
**Record Number:** 24  
**Author:** Richards, J.R., Brozell, T.T., Rea, C., Boraston, G. and Hayden, J.  
**Year:** 2009  
**Title:** PM4 Crystalline Silica Emission Factors and Ambient Concentrations at Aggregate-Producing Sources in California  
**Journal:** Journal of the Air & Waste Management Association (1995)  
**Volume:** 59  
**Issue:** 11  
**Pages:** 1287  
**ISSN:** 1096-2247  
**URL:** <http://www.ncbi.nlm.nih.gov/pubmed/19947110>  
**'File' Attachments:** internal-pdf://2053999932/Richards et al ambient silica CA J Air Waste m.pdf

**Reference Type:** Journal Article  
**Record Number:** 31  
**Author:** Pearson, Thomas W  
**Year:** 2013  
**Title:** Frac Sand Mining in Wisconsin: Understanding Emerging Conflicts and Community Organizing  
**Journal:** Culture, Agriculture, Food and Environment  
**Volume:** 35  
**Issue:** 1  
**Pages:** 30-40  
**ISSN:** 2153-955  
**URL:** [http://catskillcitizens.org/learnmore/Pearson T. Frac Sand Mining CAFE 6.13.pdf](http://catskillcitizens.org/learnmore/Pearson_T._Frac_Sand_Mining_CAFE_6.13.pdf)  
**'File' Attachments:** internal-

pdf://2044897758/Pearson\_T\_Frac\_Sand\_Mining\_CAFE\_6.13.pdf

**Reference Type:** Journal Article

**Record Number:** 224

**Author:** Neelawala, P., Wilson, C. and Athukorala, W.

**Year:** 2013

**Title:** The impact of mining and smelting activities on property values: a study of Mount Isa city, Queensland, Australia

**Journal:** Australian Journal of Agricultural and Resource Economics

**Volume:** 57

**Issue:** 1

**Pages:** 60-78

**Short Title:** The impact of mining and smelting activities on property values: a study of Mount Isa city, Queensland, Australia

**ISSN:** 1467-8489

**Research Notes:** See Journal p 66

**URL:** <http://onlinelibrary.wiley.com/doi/10.1111/j.1467-8489.2012.00604.x/full>

**'File' Attachments:** internal-

pdf://3829176411/NeelawalaEtAl\_2013\_ImpactMiningSmelting.pdf

**Reference Type:** Journal Article

**Record Number:** 79

**Author:** Borm, Paul, Tran, Lang and Donaldson, Ken

**Year:** 2011

**Title:** The Carcinogenic Action of Crystalline Silica: A Review of the Evidence Supporting Secondary Inflammation-Driven Genotoxicity as a Principal Mechanism

**Journal:** Critical Reviews in Toxicology, 2011

**Volume:** 41

**Issue:** 9

**Pages:** 756-770

**ISSN:** 1040-8444

**DOI:** 10.3109/10408444.2011.576008

**URL:** <http://www.pubfacts.com/detail/21923565/The-carcinogenic-action-of-crystalline-silica:-a-review-of-the-evidence-supporting-secondary-inflamm>

**'File' Attachments:** internal-pdf://3138376569/Borm-Tran-Donaldson-CRC2011.pdf

**Reference Type:** Journal Article

**Record Number:** 33

**Author:** Miley, William

**Year:** 2014

**Title:** Assessing the Silica (Frac) Sand Mining Environmental Regulatory Frameworks in Minnesota and Wisconsin: Who Has a Better Plan for Digging, the Gophers or Badgers?

**Journal:** Hamline University's School of Law's Journal of Public Law and Policy

**Volume:** 35

**Issue:** 2

**Pages:** 3

**URL:** <http://digitalcommons.hamline.edu/cgi/viewcontent.cgi?article=1007&context=jplp>  
**'File' Attachments:** internal-pdf://3617318129/Assessing the Silica (Frac) Sand Mining Enviro.pdf

**Reference Type:** Journal Article  
**Record Number:** 119  
**Author:** Locke, Christina M and Rissman, Adena R  
**Year:** 2015  
**Title:** Factors Influencing Zoning Ordinance Adoption in Rural and Exurban Townships  
**Journal:** Landscape and Urban Planning  
**Volume:** 134  
**Pages:** 167-176  
**ISSN:** 0169-2046  
**URL:** <http://labs.russell.wisc.edu/rissman/files/2011/12/Locke-Rissman-2015-predictors-of-township-zoning-adoption-LandUrbPlan.pdf>  
**'File' Attachments:** internal-pdf://3130390643/Locke-Rissman-2015-predictors-of-township-zoni.pdf

**Reference Type:** Journal Article  
**Record Number:** 118  
**Author:** Kitze, Rachel A.  
**Year:** 2013  
**Title:** Moving Past Preemption: Enhancing the Power of Local Governments Over Hydraulic Fracturing  
**Journal:** Minnesota Law Review  
**Volume:** 98  
**Pages:** 385-418  
**Start Page:** 385  
**URL:**  
<http://heinonline.org/HOL/LandingPage?handle=hein.journals/mnlr98&div=10&id=&page=>  
**'File' Attachments:** internal-pdf://4059243603/Kitze\_MLR.pdf

**Reference Type:** Journal Article  
**Record Number:** 80  
**Author:** Finkelstein, Murray M.  
**Year:** 2000  
**Title:** Silica, Silicosis, and Lung Cancer: A Risk Assessment  
**Journal:** American Journal of Industrial Medicine  
**Volume:** 38  
**Issue:** 8  
**Pages:** 8-18  
**URL:**  
[http://www.researchgate.net/publication/227847021\\_Silica\\_silicosis\\_and\\_lung\\_cancer\\_a\\_risk\\_assessment/file/72e7e527283192951f.pdf](http://www.researchgate.net/publication/227847021_Silica_silicosis_and_lung_cancer_a_risk_assessment/file/72e7e527283192951f.pdf)  
**'File' Attachments:** internal-pdf://0111537764/Finkelstein et al, 2000.pdf

**Reference Type:** Journal Article  
**Record Number:** 142  
**Author:** Feyereisn, Wayne L.  
**Year:** 2013  
**Title:** Industrial Silica Sand Mining and its Potential Public Health Risks  
**Journal:** Minnesota Medicine  
**Volume:** May 2013  
**Pages:** 31-32  
**URL:** <http://www.minnesotamedicine.com/Portals/mnmed/May 2013/Commentary-Feyereisn.pdf>

**Reference Type:** Journal Article  
**Record Number:** 153  
**Author:** Fenster, Mark  
**Year:** 2004  
**Title:** Takings Formalism and Regulatory Formulas: Exactions and the Consequences of Clarity  
**Journal:** California Law Review  
**Pages:** 609-681  
**ISSN:** 0008-1221  
**URL:** [http://papers.ssrn.com/sol3/papers.cfm?abstract\\_id=426100](http://papers.ssrn.com/sol3/papers.cfm?abstract_id=426100)  
**'File' Attachments:** internal-pdf://0945117275/Takings Formalism and Regulatory Formulas- Exa.pdf

**Reference Type:** Journal Article  
**Record Number:** 96  
**Author:** Esswein, Eric J., Breitenstein, Michael, Snawder, John and Kiefer, Max  
**Year:** 2014  
**Title:** Occupational Exposures to Respirable Crystalline Silica During Hydraulic Fracturing  
**Journal:** Journal of Occupational and Environmental Hygiene  
**Volume:** 10  
**Pages:** 347-356  
**URL:** <http://www.tandfonline.com/doi/full/10.1080/15459624.2013.788352 - tabModule>  
**'File' Attachments:** internal-pdf://3594751253/NIOSHexposurerepirablecrystallinesilica.pdf

**Reference Type:** Journal Article  
**Record Number:** 49  
**Author:** Drenth, Benjamin, Anderson, Raymond, Schulz, Klaus, Chandler, Val, Cannon, William, Bloss, Benjamin, Bedrosian, Paul, Feinberg, Joshua M., and Mckay, Robert  
**Year:** 2014  
**Title:** Preliminary Interpretation of Precambrian Lithology and Structure from High-Resolution, Multi-Method Geophysics, Northeast Iowa and Southeast Minnesota  
**Journal:** Institute Of Lake Superior Geology [abs.], 60th Annual Meeting  
**Volume:** 60

**URL:**

[http://www.d.umn.edu/prc/lakesuperiorgeology/Volumes/ILSG\\_60\\_2014\\_pt1\\_Hibbing.pdf](http://www.d.umn.edu/prc/lakesuperiorgeology/Volumes/ILSG_60_2014_pt1_Hibbing.pdf)

'File' Attachments: internal-pdf://0628175011/ILSG\_NEIIC\_2014\_final.pdf

**Reference Type:** Journal Article

**Record Number:** 12

**Author:** Deller, Steven C and Schreiber, Andrew

**Year:** 2012

**Title:** Frac sand mining and community economic development

**Journal:** Staff Paper Series. University of Wisconsin-Madison Department of Agricultural and Applied Economics

**URL:** <http://buffalo.uwex.edu/files/2011/12/Revised-Economic-growth-mining-version-1-4.pdf>

'File' Attachments: internal-pdf://3803961690/Revised-Economic-growth-mining-version-1-4.pdf

**Reference Type:** Journal Article

**Record Number:** 27

**Author:** Deller, Steven and Schreiber, Andrew

**Year:** 2013

**Title:** Mining and community economic growth

**Journal:** The Review of Regional Studies

**Volume:** 42

**Issue:** 2

**Pages:** 121-141

**ISSN:** 0048-749X

**Abstract:** The rapid expansion of oil and gas extraction in large parts of the Marcellus fields in the Appalachian Basin and the Bakken fields in the Williston Basin of the Dakotas and Montana has reignited debate over the role of natural resource extraction as a rural economic growth strategy. While the popular media has focused on hydraulic fracturing and natural gas and oil production, there has been significant interest in silicon sand mining in western Wisconsin and southeastern Minnesota. This “frack sand” is used in oil and gas hydraulic fracturing activity. In this study we explore the relationship between non-oil and gas mining (NAICS 212) activities and economic growth for nonmetropolitan U.S. counties for the period 2000 to 2007. We find robust results suggesting that non-oil and gas mining is associated with lower population growth, and a positive impact on per capita income, but has no impact on employment growth.

**URL:** <http://journal.srsa.org/ojs/index.php/RRS/article/viewFile/42.2.3/pdf>

'File' Attachments: internal-pdf://1376710097/273-815-1-PB.pdf

**Reference Type:** Journal Article

**Record Number:** 14

**Author:** Deller, Steven

**Year:** 2014

**Title:** Does Mining Influence Rural Economic Growth?

**Journal:** Journal of Regional Analysis & Policy

**Volume:** 44

**Issue:** 1

**Pages:** 36-48

**Date:** 2014

**Abstract:** The influence of non-oil and gas mining (NAICS 212) activity on U.S. rural (nonmetropolitan) economic growth is modeled using a simple Barro-type growth framework. Because the type of mining examined tends to be clustered in regions of Appalachia and the Mountain West, we allow for spatial heterogeneity in the underlying growth process. We find that the global least square results suggest that higher dependency on non-oil and gas mining is associated with higher rates of income growth over the 2000 to 2011 time period. This relationship, however, varies significantly across the U.S. The positive relationship holds for much of the eastern part of the U.S., but a negative relationship is seen in parts of the Mountain West, and no relationship is observed for the Pacific West and much of the area associated with the Mississippi River Basin. Because of this spatial heterogeneity, care must be taken in making generalizations about non-oil and gas mining and rural economic growth.

**URL:** [http://www.jrap-journal.org/pastvolumes/2010/v44/v44\\_n1\\_a3\\_deller.pdf](http://www.jrap-journal.org/pastvolumes/2010/v44/v44_n1_a3_deller.pdf)

**'File' Attachments:** internal-pdf://4121077972/v44\_n1\_a3\_deller.pdf

**Reference Type:** Journal Article

**Record Number:** 78

**Author:** Bridge, Ian

**Year:** 2009

**Title:** Crystalline Silica: A Review of the Dose Response Relationship and Environmental Risk

**Journal:** Air Quality and Climate Change 2009

**Volume:** 43

**Issue:** 1

**Pages:** 17-23

**URL:** <http://www.superquarry.org.au/wp-content/uploads/2011/02/Bridge-2009-environmental-silicosis-risk045.pdf>

**'File' Attachments:** internal-pdf://3264626266/Bridge-2009-environmental-silicosis-risk045.pdf

**Reference Type:** Journal Article

**Record Number:** 18

**Author:** Bloss, Benjamin R, Paul A Bedrosian, Robert M McKay, Andy M Kass, and Benjamin J Drenth

**Year:** 2013

**Title:** Stratigraphic Mapping of the Upper Iowa River Watershed Using Airborne Geophysics

**Journal:** Geological Society of America Abstracts with Programs

**Volume:** 45

**Issue:** 7

**Date:** 10/28/13

**Type of Article:** Abstract of paper

**URL:** [https://gsa.confex.com/gsa/2013AM/finalprogram/abstract\\_229804.htm](https://gsa.confex.com/gsa/2013AM/finalprogram/abstract_229804.htm)

**'File' Attachments:** internal-pdf://1159126505/USGS-Aerial Surveys of Winn re Karst.doc

**Reference Type:** Hearing

**Record Number:** 22

**Year:** 2013

**Title:** Minutes of the Environmental Protection Commission Meeting October 14, 2013

**Publisher:** Iowa Department of Natural Resources

**Document Number:** ADM 1-1-1

**Pages:** 999

**Notes:** Contains Winneshiek County demand for hearing (section 16) re Millennium Agriculture LLC permit. Provides information on economic impact of trout fisheries in County.

**URL:**

<http://www.iowadnr.gov/InsideDNR/BoardsCommissions/EnvironmentalProtectionEPC.aspx - dltop>

**Reference Type:** Hearing

**Record Number:** 165

**Year:** 2000

**Title:** Petition for Rulemaking Regarding 567 Iowa Administrative Code 23.3(2)(c): Denial of Petition for Rulemaking

**Publisher:** Iowa Department of Natural Resources -- Environmental Protection Commission

**Notes:** Regarding fugitive dusts and county responsibilities.

**URL:**

<https://drive.google.com/open?id=0B0sxqVnWGVG1dHNOVHQ3am5NbVU&authuser=0>

**'File' Attachments:** internal-pdf://2426206507/EPCfugitivedust2000denial.pdf

**Reference Type:** Grant

**Record Number:** 35

**Investigators:** Thorne, Peter S

**Year:** 2013

**Title of Grant:** Exposure Assessment and Outreach to Engage the Public on Health Risks from Frac Sand Mining

**Sponsoring Agency:** Environmental Health Sciences Research Center, University of Iowa

**Pages:** 1-5

**Original Grant Number:** P30 ES05605-Supplement

**URL:** <https://drive.google.com/open?id=0B0sxqVnWGVG1c3lydVVTZzFpdGM&authuser=0>

**'File' Attachments:** internal-pdf://0719885385/Frac Sand Mining EHS Center Supplemental App\_0.doc

**Reference Type:** Grant

**Record Number:** 172

**Year:** 2014

**Title of Grant:** Iowa Initiative for Sustainable Communities Partner Application -- RFP #15167

**Activity Location:** Winneshiek County, Iowa

**Sponsoring Agency:** Winneshiek County and City of Decorah, Iowa

**Status:** Approved

**Pages:** 30

**Duration of Grant:** 2014-2015

**URL:**

<https://drive.google.com/open?id=0B0sxqVnWGVG1aGZyQzhPaHFxMUk&authuser=0>

<https://drive.google.com/open?id=0B0sxqVnWGVG1NnMzYlZFcGxwbUk&authuser=0>

**'File' Attachments:** internal-pdf://2332287173/RFP15167\_WinneshiekCounty.pdf

internal-pdf://0304089168/Feb2IISCSand.doc

**Reference Type:** Grant

**Record Number:** 141

**Year:** 2014

**Title of Grant:** Iowa Byway Permanent Route Change or Temporary Detour Application

**Sponsoring Agency:** Northeast Iowa Resource Conservation and Development

**URL:**

<https://drive.google.com/open?id=0B0sxqVnWGVG1VzN0bjQ2NDVoZTA&authuser=0>

<https://drive.google.com/open?id=0B0sxqVnWGVG1LW5LU2VVWk1lNIU&authuser=0>

<https://drive.google.com/open?id=0B0sxqVnWGVG1NIBraXliX05ONTQ&authuser=0>

<https://drive.google.com/open?id=0B0sxqVnWGVG1ajVQb3VmRG9LcEE&authuser=0>

**'File' Attachments:** internal-pdf://2953234493/1. DASB Extension Application.pdf

internal-pdf://3289099771/2. DASB Extension Letters of Support & Maps.pdf

internal-pdf://4146382461/3. DASB Extension Photos.pdf

internal-pdf://1374344042/Permanent Route Change One.pdf

**Reference Type:** Government Document

**Record Number:** 145

**Author:** Witzke, B.J., Ludvigson, G. A., McKay, R. M., Anderson, R. R., Bunker, B. J., Giglierano, J. D., Pope, J. P., Goettemoeller, A. E. and Slaughter, M. K.

**Year:** 1998

**Title:** Bedrock Geology of Northeast Iowa, Digital Geologic Map of Iowa, Phase 2: Northeast Iowa

**Place Published:** Iowa Department of Natural Resources--Iowa Geological and Water Survey

**URL:** <http://s-iihr34.iihr.uiowa.edu/publications/uploads/ofm-1998-7.pdf>

**Reference Type:** Government Document

**Record Number:** 144

**Author:** Witzke, Brian

**Year:** 2012

**Title:** Bedrock Geologic Map of Northeast Iowa

**Place Published:** Iowa Department of Natural Resources -- Geological Survey Bureau



**URL:** [http://s-iihr34.iihr.uiowa.edu/publications/uploads/ofm-1998-7\\_txt.pdf](http://s-iihr34.iihr.uiowa.edu/publications/uploads/ofm-1998-7_txt.pdf)

**Reference Type:** Government Document

**Record Number:** 168

**Author:** Thorne, Peter

**Year:** 2014

**Title:** The University of Iowa EHSRC Project on Proppant Sand Mining

**Place Published:** University of Iowa Environmental Health Sciences Research Center

**Pages:** 32

**Notes:** Powerpoint presentation to Winneshiek Board of Supervisors September 29, 2014

**URL:** <https://drive.google.com/open?id=0B0sxqVnWGVG1b3hfV2dOQIBkaDA&authuser=0>

**'File' Attachments:** internal-pdf://3803961689/Winneshiek Co Bd of Sups Mtg 30Sept2014-Frac.pptx

**Reference Type:** Government Document

**Record Number:** 150

**Author:** Thompson, Dean

**Year:** 2014

**Title:** August 2014 Field Trip/Tour: Iowa Initiative for Sustainable Communities

**Place Published:** Developed and Hosted by Winneshiek County Board of Supervisors

**URL:** <https://drive.google.com/open?id=0B0sxqVnWGVG1b1YzZXJEN0x0Z1U&authuser=0>

<https://drive.google.com/open?id=0B0sxqVnWGVG1aVgycXcwY3lIMzgz&authuser=0>

<https://drive.google.com/open?id=0B0sxqVnWGVG1Rm9HeGMxTnVULWM&authuser=0>

<https://drive.google.com/open?id=0B0sxqVnWGVG1QVhPNWtOWkZCcFU&authuser=0>

<https://drive.google.com/open?id=0B0sxqVnWGVG1MGxWcGZBckt3Q2s&authuser=0>

<https://drive.google.com/open?id=0B0sxqVnWGVG1TmlLVWxEdG1qZWs&authuser=0>

<https://drive.google.com/open?id=0B0sxqVnWGVG1QVV1R3JNRE1tNjQ&authuser=0>

<https://drive.google.com/open?id=0B0sxqVnWGVG1R3NuN3RaOWNOYUU&authuser=0>

**'File' Attachments:** internal-pdf://3006968067/ReferencesIISCTourAugust282014.doc

internal-pdf://1734575196/Aug282014Frac Sand Tour.doc

internal-pdf://1129566411/Bus\_Tour\_Decorah.pdf

internal-pdf://4059243602/Bus\_Tour\_Hillshade.pdf

internal-pdf://3130390642/Bus\_Tour.pdf

internal-pdf://4084960730/WinneshiekDramatisPersonae.doc

internal-pdf://2953234492/RC&DWCPSSinkholes\_Springs.jpg

internal-pdf://3289099770/RCDWCPUIRCross Section.jpg

**Reference Type:** Government Document

**Record Number:** 72

**Author:** Ridenour, Brian T.

**Year:** 2014

**Title:** County Road Impacts Due to New Rural Major Developments and Road Impact Funding Options

**Place Published:** Allamakee County Engineer

**Pages:** 58

**Notes:** Powerpoint presentation to the Winneshiek Board of Supervisor September 22,

2014

**URL:**

<https://drive.google.com/open?id=0B0sxqVnWGVG1MnJ1UnZXNFA3SHM&authuser=0>

**'File' Attachments:** internal-pdf://0631704567/2014 County Road Impacts Ridenour.pptx

**Reference Type:** Government Document

**Record Number:** 3

**Author:** Reilly Construction Co., Inc.

**Year:** 2013

**Title:** Rein Quarry Expansion, Highland, MN

**Department:** Zoning, Fillmore County

**Pages:** 36

**Series Title:** Environmental Assessment Worksheet

**Government Body:** County

**Keywords:** Rein, EAW, frac sand, mine, Reilly, CUP

**Abstract:** Reilly Construction proposes to expand the existing Rein Quarry located near Highland, Minnesota. The expansion will permit an area of 50 acres located in Section 35 of Holt Township, Fillmore County.

**Notes:** The EAW provides estimates of vehicle traffic and site investigation.

**URL:** [http://www.co.fillmore.mn.us/docs/dept/zoning/EAW/REIN\\_EAW\\_FINAL\\_Part\\_1\\_1-09-13.pdf](http://www.co.fillmore.mn.us/docs/dept/zoning/EAW/REIN_EAW_FINAL_Part_1_1-09-13.pdf)

**'File' Attachments:** internal-pdf://3172686010/REIN\_EAW\_FINAL\_Part\_1\_1-09-13.pdf  
internal-pdf://2001100545/Rein CUP.pdf

**Reference Type:** Government Document

**Record Number:** 61

**Author:** Parsen, Michael J. and Gotkowitz, Madeline B.

**Year:** 2013

**Title:** Managing Chippewa County's Groundwater Today and Tomorrow: Evaluating the Impacts of Industrial Sand Mines and Irrigated Agriculture on the County's Water Resources

**Place Published:** Wisconsin Geological and Natural History Survey

**Pages:** 4

**Series Title:** Factsheet 07:2003

**URL:** <https://wgnhs.uwex.edu/pubs/fs07/>

**'File' Attachments:** internal-pdf://2639189050/FS07.pdf

**Reference Type:** Government Document

**Record Number:** 32

**Author:** Parker, Dominic and Phaneuf, Daniel

**Year:** 2013

**Title:** The Potential Impacts of Frac Sand Transport and Mining on Tourism and Property Values in Lake Pepin Communities

**Place Published:** Department of Agriculture and Applied Economics, University of Wisconsin-Madison May (2013)

**Pages:** 1-26

**URL:** <http://www.sandpointtimes.com/pdf/Frac-Sand-Impact-Tourism-Property-Values.pdf>

**'File' Attachments:** internal-pdf://3211441679/EconParkerandPhaneuf.pdf

**Reference Type:** Government Document

**Record Number:** 147

**Author:** Prior, Jean Cutler, Boekhoff, Janice L, Howes, Mary R, Libra, Robert D and VanDorpe, Paul E

**Year:** 2003

**Title:** Iowa's Groundwater Basics: A Geological Guide to the Occurrence, Use & Vulnerability of Iowa's Aquifers

**Place Published:** Iowa Department of Natural Resources

**Reference Type:** Government Document

**Record Number:** 169

**Author:** Kline, Aaron and Osterberg, David

**Year:** 2014

**Title:** Digging Deeper on Frac Sand Mining: Industry Presents Water, Tourism Issues in Northeast Iowa

**Place Published:** The Iowa Policy Project

**Pages:** 40

**Notes:** Powerpoint presentation to Winneshiek Board of Supervisors October 13, 2014

**URL:**

<https://drive.google.com/open?id=0B0sxqVnWGVG1OVUwZTcwTDc5VTg&authuser=0>

**'File' Attachments:** internal-pdf://1914544918/OsterbergWinneshiek County Supervisors October.pptx

**Reference Type:** Government Document

**Record Number:** 203

**Author:** Horick, Paul J.

**Year:** 1989

**Title:** Water Resources of Northeast Iowa

**Place Published:** Iowa Department of Natural Resources

**Issue:** Water Atlas Number 8

**URL:** <http://s-iihr34.iihr.uiowa.edu/publications/uploads/WA-08.pdf>

**'File' Attachments:** internal-pdf://2044897757/WA-08.pdf

**Reference Type:** Government Document

**Record Number:** 115

**Author:** Gross, Kristi

**Year:** 2013

**Title:** Application Bluff Overlay Zoning Ordinance, Goodhue County, MN

**Pages:** 94

**URL:** <http://legalectric.org/f/2013/07/Binder-Application-FINAL.pdf>

**'File' Attachments:** internal-pdf://3006968068/Binder-Application-FINAL.pdf

**Reference Type:** Government Document  
**Record Number:** 90  
**Author:** Green, J.A., Pavlish, J.A., Merritt, R.G. and Leete, J.H.  
**Year:** 2005  
**Title:** Hydraulic Impacts of Quarries and Gravel Pits  
**Place Published:** Minnesota Department of Natural Resources, Division of Waters  
**Pages:** 139  
**URL:** [http://www.mgwa.org/meetings/2010\\_spring/quarries\\_impacts\\_dnr.pdf](http://www.mgwa.org/meetings/2010_spring/quarries_impacts_dnr.pdf)  
**'File' Attachments:** internal-pdf://3244173420/Hydraulic impacats  
quarries\_impacts\_MNdnr.pdf

**Reference Type:** Government Document  
**Record Number:** 171  
**Author:** Cowles, Kate, Bales, Zachary, Cervantes, Juan, Smith, Austen, Landgren, Jesslyn, Muñoz, Cristina, Young, Sean and Hodson, Cody  
**Year:** 2014  
**Title:** Modeling and Predicting Mine Sites for Hydraulic Fracturing Silica Sand in Northeastern Iowa  
**Place Published:** University of Iowa: Geoinformatics for Environmental and Energy Modeling and Prediction  
**Pages:** 33  
**Notes:** Powerpoint presentation (videoconference) to the Winneshiek Board of Supervisors December 8, 2014  
**URL:**  
<https://drive.google.com/open?id=0B0sxqVnWGVG1Rl81WGc5dzlReWs&authuser=0>  
**'File' Attachments:** internal-pdf://4121077971/GeeMap FracSand  
Presentation\_Winneshiek.pptx

**Reference Type:** Government Document  
**Record Number:** 166  
**Author:** Connerly, Charles and Benson, Nicholas G.  
**Year:** 2014  
**Title:** Iowa Initiative for Sustainable Communities: Winneshiek County Board of Supervisors & City of Decorah  
**Pages:** 15  
**Notes:** Powerpoint presentation to the Winneshiek Board of Supervisors August 11, 2014  
**URL:**  
<https://drive.google.com/open?id=0B0sxqVnWGVG1Smt5TlExNHRJdmc&authuser=0>  
**'File' Attachments:** internal-pdf://1801979802/Presentation to Winneshiek Co. Board of Superv.pdf

**Reference Type:** Government Document  
**Record Number:** 146  
**Author:** Wolter, C. F., McKay, R. M., Liu, H., Bounk, M. J. and Libra, R. D.  
**Year:** 2011

**Title:** Geologic Mapping for Water Quality Projects in the Upper Iowa River Watershed  
**Place Published:** Iowa Department of Natural Resources -- Iowa Geological Survey  
**Volume:** Technical Information Series 54  
**Pages:** 34  
**URL:** <http://s-iihr34.iihr.uiowa.edu/publications/uploads/TIS-54.pdf>

**Reference Type:** Government Document  
**Record Number:** 229  
**Author:** Runkel, Tony  
**Year:** 2011  
**Title:** Goodhue County Bedrock Geology--Relevant to Silica Sand Mining  
**Place Published:** Minnesota Geological Survey, University of Minnesota  
**Pages:** 13  
**Notes:** Powerpoint Presentation  
**URL:** <http://www.co.goodhue.mn.us/DocumentCenter/Home/View/3419>  
**'File' Attachments:** internal-pdf://3172686000/RunkelGeoGoodhueCo.pdf

**Reference Type:** Government Document  
**Record Number:** 228  
**Year:** 2013  
**Title:** Goodhue County Mining Study Committee: Summary Report 2013  
**Place Published:** Mining Study Committee (MSC)  
**Pages:** 38  
**Notes:** On-line links include a report and other documents.  
**URL:** <http://www.co.goodhue.mn.us/DocumentCenter/Home/View/3640>  
<http://www.co.goodhue.mn.us/Search/Results?searchPhrase=silica>  
**'File' Attachments:** internal-pdf://0719885372/GoodhueCoHealthReport.pdf

**Reference Type:** Government Document  
**Record Number:** 227  
**Year:** 2012  
**Title:** Supplemental Information Regarding Nonmetallic Mining in Goodhue County, Minnesota  
**Place Published:** Summit Envirosolutions, Inc., St. Paul, Minnesota  
**Pages:** 119  
**Notes:** "Summit Envirosolutions, Inc. (Summit) assembled a team of geologists, engineers, hydrogeologists, planners, biologists, archaeologists, and landscape architects (Summit Team) to work with the Goodhue County Mining Study Committee (GCMSC) over the past several months to answer questions, review technical data, review suggested revisions to Article 14 of the Goodhue County Zoning Ordinance, and review the "Goodhue County Mining Study Committee Summary Report July 2012" (herein "GCMSC Report"). The Summit Team has prepared this report to provide relevant data and information on nonmetallic mining, particularly with respect to best management practices, that have not previously been provided to GCMSC."  
**URL:** <http://www.co.goodhue.mn.us/DocumentCenter/Home/View/3227>  
**'File' Attachments:** internal-pdf://3829176409/GoodhueCoMnReport.pdf

**Reference Type:** Government Document

**Record Number:** 222

**Year:** 2013-2014

**Title:** Moratorium Studies

**Place Published:** Allamakee County, Planning and Development

**Notes:** Powerpoint presentations prepared for consideration of regulating frac sand mining and operations.

**URL:**

<https://drive.google.com/open?id=0B0sxqVnWGVG1fkVpbkJJUHNpZnJqMGlaUUJzOWFjYUFudHJILTVaazhZdHVsUjFCNDk0ZFU&authuser=0>

**'File' Attachments:** internal-pdf://3172686001/Air Quality Impacts from Crystalline Silica.pptx

internal-pdf://2044897755/Allamakee County Planning and Zoning Commissi.pptx

internal-pdf://0304089166/County Ordinance needs presented to P&Z March.pptx

internal-pdf://2442186208/Economic and Cultural impacts.pptx

internal-pdf://2426206503/Extraction Pit Ordinance Amendment Worksessio.pptx

internal-pdf://1101513924/isac presentation entire.pptx

**Reference Type:** Government Document

**Record Number:** 114

**Author:** Miller, S., Aasen, J., Larson, D., Rhoda, S., Winey, P., Custer, C., Feil, L., Nelson, P., Gundersen, O., Zeglin, T., Taylor, L. and Slaby, S.

**Year:** 2014

**Title:** Final Report on the Public Health Impacts of Non-Metallic Industrial Sand Mining in Trempealeau County

**Pages:** 147

**URL:**

<http://www.trempeleaucounty.com/landmanagement/nmm/documents/PublicHealthImpactsofNMISMinTrempealeauCounty.pdf>

**'File' Attachments:** internal-

pdf://0628175010/PublicHealthImpactsofNMISMinTrempealeauCounty.pdf

internal-pdf://3829176410/PublicHealthImpactsofNMISMinTrempealeauCounty.docx

internal-pdf://0719885373/Final Report Presentation.pdf

**Reference Type:** Government Document

**Record Number:** 7

**Year:** 2013

**Title:** Tools to Assist Local Governments in Planning and Regulating Silica Sand Projects

**Pages:** 202

**Government Body:** State of Minnesota Environmental Quality Board

**Keywords:** silica, sand, mining, processes, local regulation

**Abstract:** This document is essentially a box of tools available for consideration by local governmental units (LGUs). In some situations, several tools may be chosen and used in conjunction with other tools in order to address a particular concern. The toolbox also includes instructions on how to use the tools themselves. As with any box of tools, the user

should decide what is to be built before selecting a tool. Not all tools are appropriate for a given situation and, like any tool, each one should be used properly. The EQB acknowledges these are not the only tools available to local governments.

**URL:** <https://www.eqb.state.mn.us/tools-assist-local-governments-planning-and-regulating-silica-sand-projects-0>

**'File' Attachments:** internal-pdf://2381148771/Tools for Local Govt approved March 19\_with\_Er.pdf

**Reference Type:** Government Document

**Record Number:** 6

**Year:** 2013

**Title:** Report on Silica Sand, Final Report

**Pages:** 92

**Government Body:** State of Minnesota Environmental Quality Board

**Keywords:** silica, sand, mining, processes, comparison to aggregate mining.

**Abstract:** This report provides a summary of information relevant to the questions at hand. It does not pretend to be encyclopedic. The report does not advocate a particular perspective on the silica sand issues: it is not pro- or anti-silica sand mining. The intent is to provide a basis for further research, whether that occurs through a GEIS or by other means. It is recognized that the information presented here can and should be augmented and improved as more is learned.

**URL:** <https://www.eqb.state.mn.us/sites/default/files/documents/23.March.Final.Silica.Sand.report.pdf>

**'File' Attachments:** internal-pdf://1726956429/EQB23March.FinalSilicaSandreport.pdf

**Access Date:** 3/27/13

**Reference Type:** Government Document

**Record Number:** 5

**Year:** 2013

**Title:** Environmental Quality Board. January 11 Preliminary: Working Draft Report on Industrial Silica Sand

**Publisher:** State of Minnesota Environmental Quality Board

**Issue:** Draft

**Pages:** 46

**Government Body:** State of Minnesota

**Keywords:** silica, sand, mining, processes, comparison to aggregate mining.

**Abstract:** In 2012 the Environmental Quality Board received a petition supporting the preparation of a Generic Environmental Impact Statement to analyze the potential environmental effects of the industry. Such a study would require significant time and financial resources. While the preparation of a GEIS remains an option, the EQB has prepared this report on silica sand in an attempt to assemble what we know about the topic and what we don't know.

**URL:**

<https://drive.google.com/open?id=0B0sxqVnWGVG1cmphZWQ2OUVfUzQ&authuser=0>

**'File' Attachments:** internal-pdf://3450939384/EQB.Jan.Draft.Silica.Sand.Report.pdf

**Reference Type:** Government Document

**Record Number:** 167

**Author:** Anderson, Ray and Clark, Ryan

**Year:** 2014

**Title:** Characterization of the Mineral Potential of Crystalline Basement Rocks in Northeast Iowa

**Pages:** 31

**Notes:** Powerpoint presentation to the Winneshiek Board of Supervisors August 25, 2014

**URL:**

<https://drive.google.com/open?id=0B0sxqVnWGVG1c1BTHVER3lmUXc&authuser=0>

**'File' Attachments:** internal-pdf://3273381815/Ray AndersonWinneshiek Supervisors 8-14.ppt

**Reference Type:** Government Document

**Record Number:** 67

**Year:** 2013

**Title:** Winneshiek County Zoning Commission May 14, 2013 Minutes

**Publisher:** Winneshiek County, Iowa

**Pages:** 4

**Notes:** Commission recommends the Board of Supervisors impose a(n) 18 month Moratorium on frac sand mining.

**URL:** <https://drive.google.com/open?id=0B0sxqVnWGVG1NTJXRGczZV9CYjg&authuser=0>

**'File' Attachments:** internal-pdf://1687926651/P&ZMinutes05142013 recommending moratorium.pdf

**Reference Type:** Government Document

**Record Number:** 69

**Year:** 2015

**Title:** Resolution [15-18] Extending the Moratorium on the Issuance of any Conditional Use Permit for Frac Sand Mining in Winneshiek County Board of Supervisors

**Publisher:** Board of Supervisors Winneshiek County, Iowa

**Pages:** 2

**URL:**

<https://drive.google.com/open?id=0B0sxqVnWGVG1bW9TTzZwOEJXN1E&authuser=0>

**'File' Attachments:** internal-pdf://2511712091/09292014Resolution15-18ExtMoratorium.pdf

**Reference Type:** Government Document

**Record Number:** 109

**Year:** 2014

**Title:** Allamakee County Zoning Ordinance Amendment (Final Draft)

**Place Published:** Allamakee County, Iowa

**Pages:** 13

**URL:**

<https://drive.google.com/open?id=0B0sxqVnWGVG1LWtsb1hvYTJUTFU&authuser=0>

**'File' Attachments:** internal-pdf://1101513928/Allamakeemining ordinance draft



Final.pdf

**Reference Type:** Government Document

**Record Number:** 106

**Year:** 2014

**Title:** U.S. Crude Oil and Natural Gas Proved Reserves, 2012

**Place Published:** U.S. Energy Information Administration

**Pages:** 48

**URL:**

<https://drive.google.com/open?id=0B0sxqVnWGVG1SGs5Rzc1ZWhibWc&authuser=0>

**'File' Attachments:** internal-pdf://0304089171/EIA2012reportwithgraphs.pdf

**Reference Type:** Government Document

**Record Number:** 95

**Year:** 2014

**Title:** Frac Sand in Wisconsin

**Place Published:** Wisconsin Geological and Natural History Survey Factsheet 05, 2014

**URL:**

<https://drive.google.com/open?id=0B0sxqVnWGVG1S1dnc1Nyc2VKUGs&authuser=0>

**'File' Attachments:** internal-pdf://1335354340/FracSandinWisFactSheet2014.pdf

**Reference Type:** Government Document

**Record Number:** 89

**Year:** 2014

**Title:** Silica Sand Mining Trout Stream Setback Permit, MN Statutes, section 103G.217

**Place Published:** Minnesota Department of Natural Resources Fact Sheet

**Pages:** 4

**URL:**

<https://drive.google.com/open?id=0B0sxqVnWGVG1YXNDNmh1cGRDSWM&authuser=0>

<https://drive.google.com/open?id=0B0sxqVnWGVG1ejktX3QzcXRGVGM&authuser=0>

**'File' Attachments:** internal-pdf://1504569917/MNSilcaMiningTroutStreamSetback.pdf

internal-pdf://2306743118/MN Statute 103G.217 1 mile buffer.pdf

**Reference Type:** Government Document

**Record Number:** 57

**Year:** 2014

**Title:** Silica Sands of Minnesota

**Place Published:** Minnesota Department of Natural Resources, Division of Lands and Minerals, Saint Paul, MN

**Pages:** 2

**URL:**

<https://drive.google.com/open?id=0B0sxqVnWGVG1ZU1mY0E2eDM1anM&authuser=0>

**'File' Attachments:** internal-pdf://3289099772/silica\_sand\_fact\_sheet.pdf

**Reference Type:** Government Document

**Record Number:** 43

**Year:** 2014

**Title:** Section 26 -- Mineral Extraction Ordinance (draft)

**Place Published:** Fillmore County, Minnesota

**URL:**

[http://www.co.fillmore.mn.us/docs/dept/zoning/ordinances/2012\\_Zoning\\_Ordinance\\_De.c.doc](http://www.co.fillmore.mn.us/docs/dept/zoning/ordinances/2012_Zoning_Ordinance_De.c.doc)

**'File' Attachments:** internal-pdf://2044897762/Mineral Extraction Ordinance Draft 2014.docx

**Reference Type:** Government Document

**Record Number:** 163

**Year:** 2013

**Title:** Fracture Sand and Transportation

**Publisher:** Wisconsin Department of Transportation

**Pages:** 29

**Notes:** Powerpoint

**URL:** <https://drive.google.com/open?id=0B0sxqVnWGVG10TllaDVJQ2pxZXM&authuser=0>

**'File' Attachments:** internal-pdf://2442186212/WI DOT presentation 20130201(1).pptx

**Reference Type:** Government Document

**Record Number:** 105

**Year:** 2013

**Title:** How is Shale Gas Produced?

**Place Published:** U.S. Department of Energy

**Pages:** 3

**URL:**

<https://drive.google.com/open?id=0B0sxqVnWGVG1WC1RNk9jVVlzb00&authuser=0>

**'File' Attachments:** internal-pdf://2044897761/how\_is\_shale\_gas\_produced.pdf

**Reference Type:** Government Document

**Record Number:** 101

**Year:** 2013

**Title:** Community Land Use Planning for Air Quality

**Place Published:** Iowa Department of Natural Resources

**Pages:** 34

**Keywords:** fugitive dust

**URL:** <https://drive.google.com/open?id=0B0sxqVnWGVG1Mi13TjRqUnZiY0U&authuser=0>

**'File' Attachments:** internal-

pdf://3829176421/IDNRland\_use\_guide2013FugitiveDust.pdf

**Reference Type:** Government Document

**Record Number:** 70

**Year:** 2013

**Title:** Resolution [13-65] establishing an 18-month moratorium on issuance of any conditional use permit for frac sand mining

**Publisher:** Board of Supervisors Winneshiek County, Iowa

**Pages:** 2

**URL:** <https://drive.google.com/open?id=0B0sxqVnWGVG1SzlXOW9INUI5Z28&authuser=0>

**'File' Attachments:** internal-pdf://3211441678/Res13-65Moratorium18on06032013.pdf

**Access Date:** 6/3/2013

**Reference Type:** Government Document

**Record Number:** 68

**Year:** 2013

**Title:** Resolution [13-49] of Winneshiek Board of Supervisors Requesting the Planning and Zoning Commission Provide Input on the Adoption of a Moratorium on the Consideration and/or Approval of Conditional Use Permits for Industrial Frac Sand Mining

**Publisher:** Board of Supervisors Winneshiek County, Iowa

**Pages:** 2

**URL:**

<https://drive.google.com/open?id=0B0sxqVnWGVG1TnY1WmFsZjYzSEk&authuser=0>

**'File' Attachments:** internal-pdf://2550207933/BOS Resolution (13-49) March 2014.pdf

**Access Date:** 3/25/2013

**Reference Type:** Government Document

**Record Number:** 41

**Year:** 2013

**Title:** Operator's License for Frac Sand Operations, Ordinance: 2013-01 Amended: June 17, 2013

**Place Published:** Town of Stockton, Pepin County, Wisconsin

**Pages:** 15

**Notes:** Establishes standards for frac sand operations; licensing of operators in order to preserve and protect the health, safety, and general welfare of the people and communities with the Town.

**URL:** <https://drive.google.com/open?id=0B0sxqVnWGVG1MIBZUkpfQndvd2c&authuser=0>

**'File' Attachments:** internal-pdf://0719885383/Operator's License for Frac Sand Operations (S.pdf)

**Reference Type:** Government Document

**Record Number:** 37

**Year:** 2013

**Title:** Pepin County, Wisconsin Code of Ordinances Chapter 28 - Great River Road Preservation Zoning Code

**Publisher:** Pepin County, Wisconsin -

**Pages:** 8

**Notes:** Overlay zoning; excludes silica (frac) sand industry.

**URL:** [https://www.municode.com/library/wi/pepin\\_county/codes/code\\_of\\_ordinances](https://www.municode.com/library/wi/pepin_county/codes/code_of_ordinances)

**'File' Attachments:** internal-pdf://2044897763/An Ordinance to Create Chapter 28.pdf

**Reference Type:** Government Document

**Record Number:** 23

**Year:** 2013

**Title:** Statement Regarding Issuance of Permit, Millenium Agriculture LLC, Facility ID #61285 Winneshiek County

**Place Published:** Iowa DNR Environmental Protection Commission

**Publisher:** Winneshiek County, Iowa Board of Supervisors

**Pages:** 210

**Notes:** See Minutes of the Environmental Protection Commission Meeting October 14, 2013. Attached document includes all correspondence and appendices submitted by Winneshiek County for EPC hearing.

**URL:**

<https://drive.google.com/open?id=0B0sxqVnWGVG1UHpfbHAWRXRQSHM&authuser=0>

**'File' Attachments:** internal-pdf://2639189051/14\_2\_winneshiekStatement.pdf

**Reference Type:** Government Document

**Record Number:** 91

**Year:** 2012

**Title:** Silica Sand Mining in Wisconsin

**Place Published:** Wisconsin Department of Natural Resources

**Pages:** 43

**URL:**

<https://drive.google.com/open?id=0B0sxqVnWGVG1WW9OODNoaFETTWs&authuser=0>

**'File' Attachments:** internal-

pdf://3692101153/WisconsinDNR2012SilicaSandMiningFinal.pdf

**Reference Type:** Government Document

**Record Number:** 82

**Year:** 2012

**Title:** Industrial Silica Sands of Minnesota: Frequently Asked Questions--March 2012

**Place Published:** Minnesota Department of Natural Resources, Division of Lands and Minerals, Saint Paul, MN

**Pages:** 2

**URL:**

<https://drive.google.com/open?id=0B0sxqVnWGVG1Q2RNUdV4SS1IN2M&authuser=0>

**'File' Attachments:** internal-pdf://3422857391/SILICA SAND FACT SHEET 3\_01\_12.pdf

**Reference Type:** Government Document

**Record Number:** 81

**Year:** 2012

**Title:** Fillmore County Excavation and Mining of Industrial Minerals and Metals Application Packet, Fillmore County Zoning Ordinance, Section 736

**Place Published:** Fillmore County Zoning Office

**Pages:** 30

**URL:** <https://drive.google.com/open?id=0B0sxqVnWGVG1ZzJUeU1Z0tCVGM&authuser=0>

<https://drive.google.com/open?id=0B0sxqVnWGVG1TXNkU1dPVEVEMWc&authuser=0>

**'File' Attachments:** internal-pdf://1911165193/Frac Sand Checklist 11-27-12.docx

internal-pdf://1869470124/Frac Sand Application and Checklist 11-27-12.doc

**Reference Type:** Government Document  
**Record Number:** 42  
**Year:** 2012  
**Title:** Winneshiek County Iowa Comprehensive Smart Plan  
**Publisher:** Upper Explorerland Regional Planning Commission  
**Pages:** 512  
**URL:** [http://www.winneshiekcouny.org/uploads/PDF\\_File\\_75801588.pdf](http://www.winneshiekcouny.org/uploads/PDF_File_75801588.pdf)  
**'File' Attachments:** internal-pdf://3172686008/WinneshiekCountyComprehensiveSmartPlan,2012.pdf

**Reference Type:** Government Document  
**Record Number:** 38  
**Year:** 2012  
**Title:** County Highway Upgrade and Maintenance Agreement  
**Publisher:** Pepin County, Wisconsin  
**Pages:** 19  
**Government Body:** Highway Commissioner  
**Keywords:** Road Use Maintenance Agreement  
**Notes:** Establishes a road use agreement and fees for transport of sand on county roads.  
**URL:** <https://drive.google.com/open?id=0B0sxqVnWGVG1NHVMcFN3NUFFSIU&authuser=0>  
**'File' Attachments:** internal-pdf://3829176423/County Highway Upgrade Maintenance Agreement.pdf

**Reference Type:** Government Document  
**Record Number:** 148  
**Year:** 2011  
**Title:** Silica Sand Mining Considerations  
**Place Published:** Olmsted County, Minnesota, Planning Department  
**Pages:** 14  
**Notes:** Powerpoint presentation  
**URL:** <https://drive.google.com/open?id=0B0sxqVnWGVG1Q0ItallOVnA5Yjg&authuser=0>  
**'File' Attachments:** internal-pdf://3829176420/Olmsted Silica Powerpoint\_ St Peter Dec 2012.pdf

**Reference Type:** Government Document  
**Record Number:** 107  
**Year:** 2011  
**Title:** Review of Emerging Resources: U.S. Shale Gas and Shale Oil Plays  
**Place Published:** U.S. Energy Information Administration  
**Pages:** 105  
**URL:** <https://drive.google.com/open?id=0B0sxqVnWGVG1dm9kV2ZpenISdUU&authuser=0>  
**'File' Attachments:** internal-pdf://2442186214/usshaleplaysEIA2011.pdf

**Reference Type:** Government Document

**Record Number:** 63

**Year:** 2011

**Title:** Report to the Natural Resources Board: Silica Study

**Publisher:** Wisconsin Department of Natural Resources

**Pages:** 59

**Report Number:** AM-407 2011

**URL:**

<https://drive.google.com/open?id=0B0sxqVnWGVG1RE1BUkVQSEJUYIU&authuser=0>

**'File' Attachments:** internal-pdf://0943947738/AM407.pdf

**Reference Type:** Government Document

**Record Number:** 47

**Year:** 2011

**Title:** Winneshiek County Laborshed Analysis

**Publisher:** Winneshiek County Development, Inc.

**Pages:** 48

**URL:**

[http://www.thinkdecorah.com/assets/uploads/documents/Laborshed\\_Report\\_with\\_Cover\\_-\\_Decorah3.pdf](http://www.thinkdecorah.com/assets/uploads/documents/Laborshed_Report_with_Cover_-_Decorah3.pdf)

**'File' Attachments:** internal-pdf://1101513929/Laborshed\_Report\_with\_Cover\_-\_Decorah3.pdf

**Reference Type:** Government Document

**Record Number:** 28

**Year:** 2011

**Title:** The Economics of Frac Sand Mining, Newsletters

**Publisher:** Cooperative Extension Newsletter, University of Wisconsin --Madison

**Notes:** Series of pamphlets on silica (frac) sand mining in Wisconsin.

**URL:** <https://drive.google.com/open?id=0B0sxqVnWGVG1SGxCSVNfQ2pvcTQ&authuser=0>

<https://drive.google.com/open?id=0B0sxqVnWGVG1NW1nZlQzc08tYms&authuser=0>

<https://drive.google.com/open?id=0B0sxqVnWGVG1NERha2MwOVZ0Smc&authuser=0>

<https://drive.google.com/open?id=0B0sxqVnWGVG1eTNqenVSaDVkUGs&authuser=0>

**'File' Attachments:** internal-pdf://1687926652/Economic-Multipliers-for-Mining.pdf

internal-pdf://4022819576/DELLER Stability-of-Mining.pdf

internal-pdf://4087448091/What-Does-the-Research-Indicate.pdf

internal-pdf://0352118606/Who-Takes-the-Jobs1.pdf

**Reference Type:** Government Document

**Record Number:** 104

**Year:** 1997

**Title:** Crystalline Silica Primer

**Place Published:** U.S. Department of the Interior--Bureau of Mines

**Volume:** Special Publication

**Pages:** 29

**URL:**

<https://drive.google.com/open?id=0B0sxqVnWGVG1QmZENW5oNjZwZ3M&authuser=0>

**'File' Attachments:** internal-pdf://3172686007/usgscrytallinesilicaprimer.pdf

**Reference Type:** Government Document

**Record Number:** 100

**Year:** 1996

**Title:** Ambient Levels and Noncancer Health Effects of Inhaled Crystalline and Amorphous Silica: Health Issue Assessment

**Place Published:** U.S. Environmental Protection Agency, Office of Research and Development EPA/600/R-95/115

**URL:**

<https://drive.google.com/open?id=0B0sxqVnWGVG1SGhpaXk5bVBSWGM&authuser=0>

**'File' Attachments:** internal-

pdf://2706896572/EPA1996CrystallingandAmorphousSilica.pdf

**Reference Type:** Government Document

**Record Number:** 154

**Title:** Ground-source Heat Exchange (GHEX) Borehole Drilling

**Place Published:** Iowa Department of Natural Resources

**Notes:** Section on conditions in karst terrain/topography. Identifies risks to aquifers.

**URL:**

<http://www.iowadnr.gov/InsideDNR/RegulatoryWater/PrivateWellProgram/GHEXBoreholeConstruction.aspx>

**'File' Attachments:** internal-pdf://2639189049/Boreholes.doc

**Reference Type:** Generic

**Record Number:** 205

**Year:** 2013

**Title:** Documents Submitted to the Winneshiek County Planning and Zoning Commission For the May 14, 2013 Public Hearing on a 24-Month Moratorium on Silica Sand Mining, Processing and Transporting

**Place Published:** Winneshiek County Protectors

**URL:**

<https://drive.google.com/open?id=0B0sxqVnWGVG1UXFzY2Vzd3J0ODQ&authuser=0>

**'File' Attachments:** internal-pdf://3829176416/Documents & Speakers for Public Hearing on Mor.doc

**Reference Type:** Generic

**Record Number:** 223

**Year:** 2013

**Title:** Winneshiek County Protectors, Presentation to the BOS (4/29/13) on silica sand mining health and regulatory issues.

**Notes:** Eleven documents presented for BOS consideration.

**URL:**

<https://drive.google.com/open?id=0B0sxqVnWGVG1fkhKWlhESFkxcmpkN2w5SVZOUgpiODB6eGhNaWVSdXNhM2l0UXYyNG80LVU&authuser=0>

**Reference Type:** Generic

**Record Number:** 205

**Year:** 2013

**Title:** Documents Submitted to the Winneshiek County Planning and Zoning Commission For the May 14, 2013 Public Hearing on a 24-Month Moratorium on Silica Sand Mining, Processing and Transporting

**Place Published:** Winneshiek County Protectors

**URL:**

<https://drive.google.com/open?id=0B0sxqVnWGVG1UXFzY2Vzd3J0ODQ&authuser=0>

**'File' Attachments:** internal-pdf://3829176416/Documents & Speakers for Public Hearing on Mor.doc

**Reference Type:** Generic

**Record Number:** 212

**Author:** Thompson, Dean and Karlsbrotten, Dennis

**Year:** 2014

**Title:** Trip Report: Notes on Sampling of St. Peter Sandstone, Winneshiek County, Iowa

**URL:**

<https://drive.google.com/open?id=0B0sxqVnWGVG1dXNucWgtampiems&authuser=0>

**'File' Attachments:** internal-pdf://2426206504/samples12012014.doc

**Reference Type:** Generic

**Record Number:** 210

**Author:** Thompson, Dean and Karlsbrotten, Dennis

**Year:** 2014

**Title:** Trip Report: Meeting with Tom Blake, Allamakee County Zoning Administrator (6/3/2014)

**URL:**

<https://drive.google.com/open?id=0B0sxqVnWGVG1SkVkTnR3dGcwblU&authuser=0>

**'File' Attachments:** internal-pdf://0304089167/06032014AllamakeeTripReport.doc

**Reference Type:** Generic

**Record Number:** 208

**Author:** Thompson, Dean and Karlsbrotten, Dennis

**Year:** 2013

**Title:** Trip Report: Meeting with County Commissioners and Personnel, Houston County, Minnesota (April 18, 2013)

**URL:**

<https://drive.google.com/open?id=0B0sxqVnWGVG1SnBuTUI5em5lYWs&authuser=0>

**'File' Attachments:** internal-pdf://3172686002/NotesHoustonCoSAND2.pdf

**Reference Type:** Generic

**Record Number:** 211

**Author:** Thompson, Dean

**Year:** 2014

**Title:** Trip Report: Meetings at University of Iowa, Iowa City (10/15/2014)



**URL:**

<https://drive.google.com/open?id=0B0sxqVnWGVG1WE11cV9uMVdocHc&authuser=0>

'File' Attachments: internal-pdf://2442186209/Report to BOS Oct 2014.doc

**Reference Type:** Generic

**Record Number:** 209

**Author:** Thompson, Dean

**Year:** 2014

**Title:** Trip Report: Tour of Mining, Pattison Sand Company, Clayton, Iowa (6/17/2014)

**URL:** <https://drive.google.com/open?id=0B0sxqVnWGVG1UTVzLUhFYzJlbDA&authuser=0>

'File' Attachments: internal-pdf://2044897756/TripReport06172014.doc

**Reference Type:** Generic

**Record Number:** 213

**Author:** Thompson, Dean

**Year:** 2013

**Title:** Trip Report: Tour of Fairmount Minerals Mine in Menomonie, Wisconsin (4/24/2013) and Trip to Winona, Minnesota (4/26/2013)

**URL:**

<https://drive.google.com/open?id=0B0sxqVnWGVG1dmtBajNrUGVFT0k&authuser=0>

'File' Attachments: internal-pdf://1101513925/FactFinding0424ti262013.doc

**Reference Type:** Generic

**Record Number:** 207

**Author:** Thompson, Dean

**Year:** 2013

**Title:** Trip Report: Interview William Mavity, City of Stockholm, Pepin County, Wisconsin

**Notes:** Trip included visits to areas of Maiden Rock, WI, frac sand mine and Wabasha, MN, frac sand transloading facility.

**URL:**

<https://drive.google.com/open?id=0B0sxqVnWGVG1dWNzbGhSN3F2Z3c&authuser=0>

'File' Attachments: internal-pdf://0719885376/MavityVisit10142013Notes.doc

**Reference Type:** Generic

**Record Number:** 206

**Author:** Thompson, Dean

**Year:** 2013

**Title:** Trip Report: Frac Sand Mining Conference in Eau Claire, Wisconsin (August 1, 2013)

**Notes:** Includes scan of conference booklet.

**URL:**

<https://drive.google.com/open?id=0B0sxqVnWGVG1NkhFWHZGQk16SzA&authuser=0>

'File' Attachments: internal-pdf://3829176415/EuclairConferenceandReport.pdf

**Reference Type:** Generic

**Record Number:** 215

**Author:** Thompson, Dean and Karlsbrotten, Dennis

**Year:** 2015

**Title:** Principal References and Bibliography--Winneshiek County Board of Supervisors Moratorium Fact Finding

Board of Supervisors Moratorium Fact Finding

**URL:**

<https://drive.google.com/open?id=0B0sxqVnWGVG1aXBNZ3d4YjdMS3c&authuser=0>

**Reference Type:** Generic

**Record Number:** 214

**Author:** Thompson, Dean and Karlsbrotten, Dennis

**Year:** 2015

**Title:** Timeline of decisions, actions, activities, diligence and fact finding by the Winneshiek County Board of Supervisors regarding potential effects of industrial silica/frac sand mining operations on public services, health, safety and general welfare of County residents.

Place Published: Winneshiek County Board of Supervisors

**URL:**

<https://drive.google.com/open?id=0B0sxqVnWGVG1eVdUdjV5NDZGbGs&authuser=0>

**Reference Type:** Generic

**Record Number:** 178

**Year:** 2014

**Title:** Informational Packet for Winneshiek County Supervisors

**Publisher:** Winneshiek County Protectors

**Reference Type:** Generic

**Record Number:** 173

**Year:** 2013

**Title:** Map Overlays Illustrating Winneshiek County Zoning Ordinance, Proposed New Section 712, Excavation and Mining of Industrial Materials

**Place Published:** Winneshiek County Protectors

**URL:**

<https://drive.google.com/open?id=0B0sxqVnWGVG1NmNwa2ZXQ01DZEU&authuser=0>

**'File' Attachments:** internal-pdf://0749241872/WCPsMap Overlays.pdf

**Reference Type:** Generic

**Record Number:** 66

**Year:** 2013

**Title:** Correspondence received by Winneshiek Board of Supervisors with regard to industrial silica/frac sand mining and moratorium on mining permits

**Pages:** 53

**Notes:** Originals on file, Winneshiek County Auditor

**URL:**

<https://drive.google.com/open?id=0B0sxqVnWGVG1bjZjUW4tOU9QaDg&authuser=0>

**'File' Attachments:** internal-pdf://1376710096/Frac Sand Letters to BOS.pdf

**Reference Type:** Figure

**Record Number:** 191

**Year:** 2014

**Title:** Permanent Route Change One, Driftless Area Scenic Byway, Iowa

**Place Published:** Northeast Iowa Resource Conservation and Development

**Research Notes:** See Iowa Byway Permanent Route Change or Temporary Detour Application. (2014): Northeast Iowa Resource Conservation and Development.

**URL:** <https://drive.google.com/open?id=0B0sxqVnWGVG1WlJneUFDZy11S1k&authuser=0>

**'File' Attachments:** internal-pdf://1734575195/Permanent Route Change One.pdf

**Reference Type:** Figure

**Record Number:** 186

**Year:** 2014

**Title:** Winneshiek County Mines 2014

**Place Published:** Winneshiek County, Iowa

**Notes:** Location of Iowa Department of Agriculture and Land Stewardship registered mines and quarries in Winneshiek County, 2014. Prepared from IDALS data set in Excel worksheet.

**URL:**

<https://drive.google.com/open?id=0B0sxqVnWGVG1bi1KXzdpRmtEN2M&authuser=0>

**'File' Attachments:** internal-pdf://2426206506/Winneshiek\_Mines\_2014 from DSC.pdf

**Reference Type:** Figure

**Record Number:** 93

**Year:** 2014

**Title:** Picture of Pattison Sand Mine

**Publisher:** Wall Street Journal, Aug. 4, 2014

**Description:** Underground mining; room and pillar

**Notes:** Picture of Pattison Sand Company mine and source Wall Street Journal article 8/4/2014.

**URL:**

<https://drive.google.com/open?id=0B0sxqVnWGVG1OEN0b0s1bmFyQ2c&authuser=0>

<https://drive.google.com/open?id=0B0sxqVnWGVG1UTdrYkZmcDA2a0E&authuser=0>

**'File' Attachments:** internal-pdf://3080593845/picturePattisonWSJ08052014.tiff  
internal-pdf://3936859996/FracSandDemandWSJ08052014.pdf

**Reference Type:** Figure

**Record Number:** 194

**Year:** 2013

**Title:** Potential Upper Exposure of Jordan and St. Peter Sandstone Allamakee and Winneshiek Counties, Iowa

**Image Source Program:** Iowa Geological and Water Survey Data

**URL:** <https://drive.google.com/open?id=0B0sxqVnWGVG1M1FsaFdpc20yMIE&authuser=0>

**'File' Attachments:** internal-pdf://3130390641/AllWinnCo.pdf

**Reference Type:** Figure

**Record Number:** 193

**Year:** 2013

**Title:** 1/2 Mile Buffer Around National Register of Historic Places and Archaeological Sites by Section, Winneshiek County, Iowa

**Place Published:** Winneshiek County Protectors

**Notes:** See Map Overlays Illustrating Winneshiek County Zoning Ordinance, Proposed New Section 712, Excavation and Mining of Industrial Materials. (2013). Winneshiek County Protectors.

**URL:**

<https://drive.google.com/open?id=0B0sxqVnWGVG1QUFMTnFLWGJoMGs&authuser=0>

**'File' Attachments:** internal-pdf://4059243601/Arch\_NRHP0.5mi.jpg

**Reference Type:** Figure

**Record Number:** 190

**Year:** 2013

**Title:** Currently Identified Sinkholes and Springs, Winneshiek County, Iowa

**Place Published:** Winneshiek County Protectors

**Notes:** See Map Overlays Illustrating Winneshiek County Zoning Ordinance, Proposed New Section 712, Excavation and Mining of Industrial Materials. (2013). Winneshiek County Protectors.

**URL:** <https://drive.google.com/open?id=0B0sxqVnWGVG1SjYb0tIMiRSLUk&authuser=0>

**'File' Attachments:** internal-pdf://3006968066/Sinkholes\_Springs.jpg

**Reference Type:** Figure

**Record Number:** 187

**Year:** 2013

**Title:** 1 Mile Buffer Around Trout Streams, Rivers and Recreational Trails, Winneshiek County, Iowa

**Place Published:** Winneshiek County Protectors

**Notes:** see Map Overlays Illustrating Winneshiek County Zoning Ordinance, Proposed New Section 712, Excavation and Mining of Industrial Materials. (2013). Winneshiek County Protectors.

**URL:**

<https://drive.google.com/open?id=0B0sxqVnWGVG1TmZHcUpfb1dVN0E&authuser=0>

**'File' Attachments:** internal-pdf://1101513926/Water&Trails\_1mi.jpg

**Reference Type:** Figure

**Record Number:** 192

**Year:** 2011

**Title:** Bedrock Geology of the Upper Iowa River Watershed

**Image Source Program:** Iowa Geological Survey

**Notes:** In Wolter, C.F., McKay, R. M., Liu, H., Bounk, M. J., & Libra, R. D. (2011). Geologic Mapping for Water Quality Projects in the Upper Iowa River Watershed. Iowa Department of Natural Resources -- Iowa Geological Survey

**URL:**

<https://drive.google.com/open?id=0B0sxqVnWGVG1c3Y3eXVHOEthbk0&authuser=0>

**'File' Attachments:** internal-pdf://1129566410/BedrockGeology\_UIRBasin1\_92.jpg

**Reference Type:** Figure

**Record Number:** 189

**Year:** 2011

**Title:** Sinkholes with Bedrock Geology of the Upper Iowa River Basin

**Place Published:** Iowa Geological Survey

**Notes:** In Wolter, C.F., McKay, R. M., Liu, H., Bounk, M. J., & Libra, R. D. (2011). Geologic Mapping for Water Quality Projects in the Upper Iowa River Watershed. Iowa Department of Natural Resources -- Iowa Geological Survey

**URL:**

<https://drive.google.com/open?id=0B0sxqVnWGVG1YTIEOXRKvIBzQm8&authuser=0>

**'File' Attachments:** internal-pdf://0628175008/Sinkholes\_UIRBasin10\_92.jpg

**Reference Type:** Figure

**Record Number:** 188

**Year:** 2011

**Title:** Springs and Seeps with Bedrock Geology of the Upper Iowa River Watershed

**Place Published:** Iowa Geological Survey

**Notes:** In Wolter, C.F., McKay, R. M., Liu, H., Bounk, M. J., & Libra, R. D. (2011). Geologic Mapping for Water Quality Projects in the Upper Iowa River Watershed. Iowa Department of Natural Resources -- Iowa Geological Survey

**URL:**

<https://drive.google.com/open?id=0B0sxqVnWGVG1eEYzMEFPbTBpVWM&authuser=0>

**'File' Attachments:** internal-pdf://3516616714/Springs\_UIRBasin11.jpg

**Reference Type:** Figure

**Record Number:** 54

**Year:** 2011

**Title:** Geologic Cross-Section across the Upper Iowa River Watershed

**Publisher:** Iowa Geological Survey

**Type of Image:** jpeg

**Notes:** In Wolter, C.F., McKay, R. M., Liu, H., Bounk, M. J., & Libra, R. D. (2011). Geologic Mapping for Water Quality Projects in the Upper Iowa River Watershed. Iowa Department of Natural Resources -- Iowa Geological Survey

**URL:**

<https://drive.google.com/open?id=0B0sxqVnWGVG1QVJ6bG82M0ZEdVE&authuser=0>

**'File' Attachments:** internal-pdf://3130390644/319UIRCross Section\_Print to Tiff\_slideversion.jpg

**Reference Type:** Figure

**Record Number:** 53

**Year:** 2011

**Title:** Generalized Stratigraphic Sequence of Aquifers, Aquitards, Bedrock Geologic Map Units & Geologic Formations, Upper Iowa River Basin

**Publisher:** Iowa Geological Survey

**Type of Image:** jpeg

**Notes:** In Wolter, C.F., McKay, R. M., Liu, H., Bounk, M. J., & Libra, R. D. (2011). Geologic Mapping for Water Quality Projects in the Upper Iowa River Watershed. Iowa Department of Natural Resources -- Iowa Geological Survey

**URL:**

<https://drive.google.com/open?id=0B0sxqVnWGVG1cVZiM1AxUnk2eDQ&authuser=0>

**'File' Attachments:** internal-

pdf://4059243604/GeologicStrataColumn\_20pctgraybkgrd\_and\_color.JPG

**Reference Type:** Dataset

**Record Number:** 56

**Year:** 2014

**Title:** Iowa Department of Land Stewardship: Registered Mines/Quarries in Winneshiek County

**Producer:** Stewardship, Iowa Department of Land

**Funding Agency:** Stewardship, Iowa Department of Land

**Geographic Coverage:** Winneshiek County, Iowa

**Time Period:** 2014

**Dataset(s):** Excel spreadsheet

**URL:**

<https://drive.google.com/open?id=0B0sxqVnWGVG1Q2FfS0h4WEhlNEU&authuser=0>

**'File' Attachments:** internal-pdf://2953234494/MINESas2013inWinneshiek 2013.xls

**Reference Type:** Dataset

**Record Number:** 65

**Year:** 2013

**Title:** Winneshiek County Protectors: Petition (implement a 24 month moratorium on the issuance of permits to allow silica sand mining)

**Notes:** Scan of first 2 pages attached. Approximately 1,250 signatures of county residents.

**URL:**

<https://drive.google.com/open?id=0B0sxqVnWGVG1YUUtT1FuU1pKN1U&authuser=0>

**'File' Attachments:** internal-pdf://2040651433/WinnCoProtectorspetition.pdf

**Reference Type:** Conference Proceedings

**Record Number:** 85

**Author:** Patton, Bob and Frantz, Kate

**Year of Conference:** 2013

**Title:** Environmental Review and Cumulative Potential Environmental Effects

**Conference Name:** 2013 SE Minnesota Sand Mining Summit, February 1, 2013

**Publisher:** Minnesota Environmental Quality Board

**Pages:** 22

**Source:** Powerpoint

**URL:** <https://drive.google.com/open?id=0B0sxqVnWGVG1cjAxcE54dklBeEk&authuser=0>

**'File' Attachments:** internal-pdf://3287385122/EQB-winona\_ppt(1).pptx

**Reference Type:** Conference Proceedings

**Record Number:** 16

**Author:** Grzezinski, Dennis M., Syverson, Kent M., Stoddard, Glenn M., Cox, Scott L. and Harnisch, Thomas W.

**Year of Conference:** 2013

**Title:** Frac Sand Mining in Wisconsin. Perspectives of Environmentalists, Citizens, Industry, Counties & Towns, Eau Claire, WI

**Conference Location:** Eau Claire, WI

**Publisher:** HalfMoon Education Inc.

**Date:** 8/1/13

**URL:**

<https://drive.google.com/open?id=0B0sxqVnWGVG1NnFHX2YzdzlWU1E&authuser=0>

<https://drive.google.com/open?id=0B0sxqVnWGVG1VTBjTnNCN3drT28&authuser=0>

**'File' Attachments:** internal-pdf://0749241873/212.pdf

internal-pdf://2282980929/EuclairConferenceandReport.pdf

**Reference Type:** Conference Proceedings

**Record Number:** 113

**Author:** Butler, Kort H

**Year of Conference:** 2012

**Title:** Utilization of State Geologic Survey Data for Community Interests in Frac Sand Mining in Monroe County, Wisconsin

**Conference Name:** Geological Society of America Abstracts with Programs

**Volume:** 44

**Issue:** 5

**Pages:** 73

**URL:** [https://gsa.confex.com/gsa/2012NC/finalprogram/abstract\\_203034.htm](https://gsa.confex.com/gsa/2012NC/finalprogram/abstract_203034.htm)

**Reference Type:** Conference Proceedings

**Record Number:** 83

**Author:** Alexander, E. Calvin

**Year of Conference:** 2013

**Title:** Karst Hydrogeology of SE Minn.

**Conference Name:** 2013 SE Minn. Sand Mining Summit

**Pages:** 27

**Sponsor:** Winona Co., Planning & Environmental Services

**Notes:** Powerpoint

**URL:**

<https://drive.google.com/open?id=0B0sxqVnWGVG1NWpwS2tkZjg5Rzg&authuser=0>

**'File' Attachments:** internal-pdf://1960709859/Alexander 1 Feb 2013 SE Minn Sand Mining Summ.pptx

**Reference Type:** Conference Proceedings

**Record Number:** 39

**Year of Conference:** 2012

**Title:** Conference on the Silica Sand Resources of Minnesota and Wisconsin Field Guidebook

**Conference Location:** Brooklyn Park, Minnesota  
**Publisher:** Precambrian Research Center University of Minnesota -- Duluth & Society for Mining, Metallurgy, and Exploration, Twin Cities Subsection  
**Pages:** 46  
**URL:** <http://www.d.umn.edu/prc/workshops/Guidebooks.html>  
**'File' Attachments:** internal-pdf://0719885384/INDUSTRYSilica Sand Field TripWISOcto2012.pdf

**Reference Type:** Conference Proceedings  
**Record Number:** 202  
**Year of Conference:** 2008  
**Title:** Groundwater Issues in the Paleozoic Plateau: A Taste of Karst, a Modicum of Geology, and a Whole Lot of Scenery  
**Conference Name:** 53rd Annual Midwest Ground Water Conference, Grand River Center, Dubuque, Iowa, September 30 – October 2, 2008  
**Publisher:** Iowa Department of Natural Resources  
**Volume:** Iowa Groundwater Association Field Trip Guidebook No. 1  
Iowa Geological and Water Survey Guidebook Series No. 27  
**URL:** <http://s-iihr34.iihr.uiowa.edu/publications/uploads/GB-27.pdf>  
**'File' Attachments:** internal-pdf://3172686003/GB-27.pdf

**Reference Type:** Conference Proceedings  
**Record Number:** 201  
**Year of Conference:** 2005  
**Title:** Living in Karst  
**Editor:** Libra, Robert D.  
**Conference Name:** Iowa Field Conference for Public Policy Makers, October 11-12, 2005  
**Publisher:** Iowa Department of Natural Resources  
**Pages:** 58  
**URL:** <http://s-iihr34.iihr.uiowa.edu/publications/uploads/GB-25.pdf>  
**'File' Attachments:** internal-pdf://3829176417/GB-25.pdf

**Reference Type:** Conference Proceedings  
**Record Number:** 200  
**Year of Conference:** 2005  
**Title:** Facets of the Ordovician Geology of the Upper Mississippi Valley Region  
**Editor:** Ludvigson, Greg A. and Bunker, Bill J.  
**Conference Name:** 35th Annual Field Conference of the Great Lakes Section, Society for Sedimentary Geology (SEPM) September 23-25, 2005  
**Volume:** Iowa Geological Survey Guidebook Series No. 24  
**Pages:** 156  
**URL:** <http://s-iihr34.iihr.uiowa.edu/publications/uploads/GB-24.pdf>  
**'File' Attachments:** internal-pdf://0719885378/GB-24.pdf

**Reference Type:** Conference Paper  
**Record Number:** 94



**Author:** Peters, Thomas M.  
**Year:** 2014  
**Title:** Sand Mining and Transport: Potential Health Effects  
**Conference Name:** Midwest Environmental Health Policy Summit  
**Conference Location:** Springfield, Illinois  
**Pages:** 29  
**Date:** February 2014  
**Notes:** Powerpoint  
**URL:** <http://www.ncsl.org/documents/envIRON/Peters.pdf>  
**'File' Attachments:** internal-pdf://3182432947/Peters2014particulateairquality.pptx

**Reference Type:** Conference Paper  
**Record Number:** 97  
**Author:** Curtis, Trisha  
**Year:** 2014  
**Title:** Crude Oil Movements and Market Dynamics  
**Conference Name:** Williston Basin Petroleum Conference, May 20, 2014  
**Conference Location:** Bismarck, North Dakota  
**URL:** <http://eprinc.org/wp-content/uploads/2014/05/WBPC-Presentation-May-19-2014-LATEST.pdf>  
**'File' Attachments:** internal-pdf://3455528526/Trisha\_Curtis.pdf

**Reference Type:** Case  
**Record Number:** 185  
**Year Decided:** 2014  
**Case Name:** SWEPI, LP v. MORA COUNTY  
**Court:** Dist. Court, D. New Mexico  
**Docket Number:** No. CIV 14-0035 JB/SCY  
**Abbreviated Case Name:** SWEPI, LP v. MORA COUNTY  
**URL:** [http://scholar.google.com/scholar\\_case?case=8231093708514299159&q=CIV+14-0035+JB/SCY&hl=en&as\\_sdt=1000006](http://scholar.google.com/scholar_case?case=8231093708514299159&q=CIV+14-0035+JB/SCY&hl=en&as_sdt=1000006)  
**'File' Attachments:** internal-pdf://2442186211/Mora County New Mexico Opinion.pdf

**Reference Type:** Case  
**Record Number:** 151  
**Year Decided:** 2013  
**Case Name:** Koontz v. St. Johns River Water Mgmt. Dist  
**Reporter:** S. Ct.  
**Court:** Supreme Court  
**Reporter Volume:** 133  
**Docket Number:** No. 11-1447  
**First Page:** 2586  
**Abbreviated Case Name:** Koontz v. St. Johns River Water Mgmt. Dist  
**URL:** <https://drive.google.com/open?id=0B0sxqVnWGVG1a0tBNW43aGkyWEE&authuser=0>  
**'File' Attachments:** internal-pdf://4146382460/Koontz Opinion.pdf

**Reference Type:** Case  
**Record Number:** 21  
**Year Decided:** 2009  
**Case Name:** Geisler v. City Council of the City of Cedar Falls  
**Court:** Iowa: Supreme Court  
**Docket Number:** 102/07-0474  
**Filed Date:** 7/10/09  
**Abbreviated Case Name:** Geisler v. City Council of the City of Cedar Falls  
**URL:** <https://cases.justia.com/iowa/supreme-court/102-070474-%282009-07-10%29.pdf>  
**'File' Attachments:** internal-pdf://0356426808/IN THE SUPREME COURT OF IOWA-07-0474.pdf

**Reference Type:** Case  
**Record Number:** 159  
**Year Decided:** 2005  
**Case Name:** Molo Oil Co. v. The City Of Dubuque  
**Reporter:** NW 2d  
**Court:** Iowa: Supreme Court  
**Reporter Volume:** 692  
**Docket Number:** No. 03-1623  
**First Page:** 686  
**Abbreviated Case Name:** Molo Oil Co. v. The City Of Dubuque  
**URL:** <https://drive.google.com/open?id=0B0sxqVnWGVG1LUpGX3Fft0ZjRnc&authuser=0>  
**'File' Attachments:** internal-pdf://3172686005/MOLO OIL COMPANY DRBE v. THE CITY OF DUBUQUE -.pdf

**Reference Type:** Case  
**Record Number:** 175  
**Year Decided:** 2002  
**Case Name:** Home Builders Association v. West Des Moines  
**Reporter:** NW 2d  
**Court:** Iowa: Supreme Court  
**Reporter Volume:** 644  
**Docket Number:** No. 99-2025  
**First Page:** 339  
**Abbreviated Case Name:** Home Builders Association v. West Des Moines  
**Notes:** Court finds no power to levy any tax, such as a road impact fee, unless authorized by the general assembly.  
**URL:**  
<https://drive.google.com/open?id=0B0sxqVnWGVG1SS0tZjZOWHR6LTQ&authuser=0>  
**'File' Attachments:** internal-pdf://3172686004/Home Builders Ass'n of Greater Des Moines v Ci.rtf

**Reference Type:** Case  
**Record Number:** 156

**Year Decided:** 2001  
**Case Name:** Perkins v. Bd. of Supervisors  
**Reporter:** NW 2d  
**Court:** Iowa: Supreme Court  
**Reporter Volume:** 636  
**Docket Number:** No. 99-0583  
**First Page:** 58  
**Abbreviated Case Name:** Perkins v. Bd. of Supervisors  
**URL:** <https://drive.google.com/open?id=0B0sxqVnWGVG1cGjBNlBzYmRjSGc&authuser=0>  
**'File' Attachments:** internal-pdf://0943947737/PERKINS v. BOARD OF SUPERVISORS OF MADISON COU.pdf

**Reference Type:** Case  
**Record Number:** 157  
**Year Decided:** 1994  
**Case Name:** Dolan v. City of Tigard  
**Reporter:** US  
**Court:** Supreme Court  
**Reporter Volume:** 512  
**Docket Number:** No. 93-518  
**First Page:** 374  
**Abbreviated Case Name:** Dolan v. City of Tigard  
**URL:**  
<https://drive.google.com/open?id=0B0sxqVnWGVG1b1U4VzBHalBDd1E&authuser=0>  
**'File' Attachments:** internal-pdf://3829176419/Dolan v. City of Tigard, 512 U.S. 687 (1994).pdf

**Reference Type:** Case  
**Record Number:** 160  
**Year Decided:** 1990  
**Case Name:** Neuzil v. City of Iowa City  
**Reporter:** NW 2d  
**Court:** Iowa: Supreme Court  
**Reporter Volume:** 451  
**Docket Number:** No. 88-953  
**First Page:** 159  
**Abbreviated Case Name:** Neuzil v. City of Iowa City  
**URL:**  
<https://drive.google.com/open?id=0B0sxqVnWGVG1Y0hGMFI0MkNTZzg&authuser=0>  
**'File' Attachments:** internal-pdf://2044897759/NEUZIL v. CITY OF IOWA CITY \_ Leagle.com.pdf

**Reference Type:** Case  
**Record Number:** 161  
**Year Decided:** 1987  
**Case Name:** Nollan v. California Coastal Commission

**Reporter:** US  
**Court:** Supreme Court  
**Reporter Volume:** 483  
**Docket Number:** No. 86-133  
**First Page:** 825  
**Abbreviated Case Name:** Nollan v. California Coastal Commission  
**URL:** <https://drive.google.com/open?id=0B0sxqVnWGVG1d25zTVh0b0otQ3c&authuser=0>  
**'File' Attachments:** internal-pdf://0304089169/NOLLAN v. CALIFORNIA COASTAL COMM'N, 483 U.S.pdf

**Reference Type:** Case  
**Record Number:** 158  
**Year Decided:** 1943  
**Case Name:** Parker v. Brown  
**Reporter:** US  
**Court:** Supreme Court  
**Reporter Volume:** 317  
**Docket Number:** No. 46  
**First Page:** 341  
**Abbreviated Case Name:** Parker v. Brown  
**URL:**  
<https://drive.google.com/open?id=0B0sxqVnWGVG1dVNBbTFKWThXWEU&authuser=0>  
**'File' Attachments:** internal-pdf://0719885380/Parker v Brown.pdf

**Reference Type:** Book Section  
**Record Number:** 13  
**Author:** Deller, Steven C  
**Year:** 2012  
**Title:** Use of Fiscal Impact Analysis as a Tool for Local Government Educational Programs  
**Editor:** Kamnuansilpa, Peerasit, Bonnie Pacala Brereton  
**Book Title:** Local Governments in a Global Context  
**Publisher:** College of Local Administration, Khon Kaen University, Thailand  
**Pages:** 251  
**Chapter:** 8  
**ISBN:** 978-616-223-231-2  
**URL:** <http://www.cola.kku.ac.th/book/pdf/BookICLG2012.pdf#page=151>  
**'File' Attachments:** internal-pdf://1914544919/BookICLG2012.pdf

**Reference Type:** Book  
**Record Number:** 176  
**Author:** Hallberg, George R and Hoyer, Bernard E  
**Year:** 1982  
**Title:** Sinkholes, Hydrogeology, and Ground-Water Quality in Northeast Iowa  
**Publisher:** Iowa Geological Survey, Iowa City, Iowa  
**URL:**  
<https://drive.google.com/open?id=0B0sxqVnWGVG1bFh4c3R3a3RCQkU&authuser=0>

'File' Attachments: internal-pdf://3829176418/IGS-Sinkholes, Hydrogeology, & Grndwtr Qual in.pdf

**Reference Type:** Book

**Record Number:** 177

**Author:** Fleury, Spencer

**Year:** 2009

**Title:** Land Use Policy and Practice on Karst Terrains

**Publisher:** Springer

**ISBN:** 1402096704

## Local Media

Local Media: [Decorah Newspapers](#) [Decorahnews.com](#) [Bluff Country News](#)  
(return to [References](#))

### Decorah Newspapers

- [Economic impact of sand mining discussed](#)  
12/4/2014 10:10:00 AM  
There are many variables which would factor into the ultimate economic impact frac-sand mining would have on the county.
- [Proposed ordinance will regulate, not ban, frac-sand mining here](#)  
11/20/2014 9:36:00 AM  
When a Winneshiek County moratorium on frac-sand mining expires next October, frac-sand mining will be allowed.
- [Concerns raised on zoning process](#)  
10/30/2014 9:01:00 AM  
County officials have concerns about how an update of the county's zoning ordinances is progressing.
- [Expert: Sand mining is coming quickly; commends supervisors](#)  
10/15/2014 11:04:00 AM  
A University of Iowa professor commended members of the Winneshiek County Board of Supervisors for their efforts to educate themselves on the issues associated with frac-sand mining.
- [Osterberg presenting to supervisors Monday](#)  
10/12/2014 12:10:00 PM  
Dr. David Osterberg of the University of Iowa's Occupational and Public Health Department and former director of the Iowa Policy Project, will be speaking to the Winneshiek County Board of Supervisors Monday, Oct. 13.
- [Supervisor debate on KPVL Wednesday](#)  
10/7/2014 2:18:07 PM  
KPVL 89.1 in Decorah will be broadcasting the Supervisor District 1 debate between Dennis Karlsbrotten and John Beard at 7 p.m. Wednesday, Oct. 8.
- [Frac sand: Regulation not enough](#)  
10/7/2014 9:47:00 AM  
Regulating frac-sand mining will not be enough, according to Mora County (N.M.) Commission Chair John Olivas.

- [U of I researcher informs supervisors about frac-sand impact](#)  
10/6/2014 9:23:00 AM  
Scientists have known for centuries crystalline silica is a carcinogen, according to Dr. Peter Thorne.
- [Frac-sand moratorium extended](#)  
9/30/2014 7:48:00 AM  
The Winneshiek County Board of Supervisors has extended a moratorium on frac-sand mining until October of 2015.
- [Supervisors extend moratorium on frac-sand mining](#)  
9/29/2014 12:29:07 PM  
The Winneshiek County Board of Supervisors has extended a moratorium on frac-sand mining until October of 2015.
- [Thorne will speak on frac sand impact on air quality Monday](#)  
9/26/2014 9:58:33 AM  
Dr. Peter Thorne, head of the University of Iowa's Department of Occupational and Environmental Health, will be meeting with the Board of Supervisors Monday, Sept. 29, at noon on the third floor of the Courthouse.
- [New Mexico official speaking on how his county banned fracking](#)  
9/26/2014 9:54:38 AM  
John Olivas, elected in 2010 to the Mora County, New Mexico Commission, will speak in Decorah Sunday, Sept. 28, about how his county banned fracking for natural gas.
- [Our community in New Mexico banned fracking](#)  
9/26/2014 8:30:52 AM  
Dear Editor: I am an elected county commissioner from Mora County, New Mexico. I will be in your community early next week to share with citizens the story of how and why we banned fracking. Our story is connected to your county's current questions around frac-sand mining. I will be speaking Sunday night at 7 at the Cellar
- [Communities should be able to determine future](#)  
9/26/2014 8:26:31 AM  
Dear Editor: The Board of Supervisors has stated that Iowa is a home rule state. While this is true, currently there are no counties with a home rule charter, and only four cities. Moreover, the home rule amendment to the Iowa Constitution does not guarantee our protection. Indeed, it leaves us extremely vulnerable to the whims of our state legislators.
- [Engineer discusses impact of 'sand' trucks](#)  
9/25/2014 9:47:40 AM  
One trip by one overloaded sand truck can equal the impact of 19,000 cars.
- [Allamakee engineer presenting on new rural development impact on county roads.](#)  
9/15/2014 8:45:00 AM  
Brian Ridenour, Allamakee County engineer, is giving a presentation on new issues impacting county roads Monday, Sept 22 in Decorah.
- [Presentation on potential mining in county Monday](#)  
8/24/2014 9:53:00 AM  
Dr. Ray Anderson, newly retired from the Iowa Geological Survey, will present information to the Winneshiek Board of Supervisors on the potential for metallic mineral mining in Northeast Iowa next week.
- [Frac-sand mining looms large](#)  
8/22/2014 9:48:08 AM  
The Northeast corner of Iowa is blessed with a unique geological terrain that also extends into Southwest Wisconsin and Southeast Minnesota.

- [IISC projects start soon](#)  
8/12/2014 2:02:00 PM  
University of Iowa professors and students will be kicking off Iowa Initiative for Sustainable Communities (IISC) projects throughout the county this fall.
- [Iowa Initiative for Sustainable Communities representatives meeting with county supervisors](#)  
8/8/2014 3:34:00 PM  
The Iowa Initiative for Sustainable Communities (IISC) will be making a public presentation to the Winneshiek County Board of Supervisors at noon Monday, Aug. 11, to announce and discuss the projects selected for the IISC collaboration program.
- [Review/update of Winneshiek Co. zoning ordinance is progressing](#)  
5/28/2014 11:33:00 AM  
A review of the county's zoning ordinance by a consulting firm is moving along.
- [Winneshiek County Protectors 'changing focus'](#)  
5/14/2014 9:17:00 AM  
A local group of citizens concerned about the future of frac-sand mining in Winneshiek County is changing its focus.
- [9/11, Saddam, GM and frac-sand mining similar](#)  
4/27/2014 10:48:13 AM  
Dear Editor: I consider myself a rational individual. Someone who does not make snap judgments on issues or falls for the hype associated with them but rather a person who researches the issues first and then comes to an informed decision on them.
- [Community rights is gaining lots of attention](#)  
4/17/2014 9:48:18 AM  
Dear Editor: The Community Rights movement is gaining more national attention these days than ever before. This is an exciting and democratic response to powerful industries that claim a corporation's right to make millions of dollars trumps our right to a healthy environment and democracy.
- [Response to writer's support of tracking](#)  
4/17/2014 9:45:04 AM  
Dear Editor: About last week's letter on freezing without fracking, I hope he was teasing. I think it is clear, don't dig frac sand 'round here or we all may be coughing and wheezing.
- [IISC announces partnership with Decorah/Winneshiek County](#)  
4/7/2014 8:31:22 AM  
Through the Iowa Initiative for Sustainable Communities (IISC), University of Iowa professors and students help Decorah and other Iowa communities build sustainability by addressing economic, environmental and socio-cultural issues.
- [Community Rights ban on mining needn't be feared](#)  
4/4/2014 8:42:24 AM  
Dear Editor: Winneshiek County is indeed a beautiful and healthy place to live and visit. In fact, the Robert Wood Johnson Foundation recently designated Winneshiek County as the eighth healthiest in the whole country. The threat of frac-sand mining on the health and beauty of the county is real, and I am glad to see the supervisors taking this threat seriously.
- [Where is our Board of Supervisors' courage?](#)  
4/4/2014 8:40:00 AM  
Dear Editor: Regarding the Community Rights Alliance proposed ordinance establishing a community bill of rights to protect our environment, Supervisor Dean Thompson was quoted as saying "it serves to have the federal and state constitutions nullified when inconvenient."
- [Bruening concerned about 'hidden agenda' regarding mining in county](#)  
4/1/2014 1:45:00 PM

Decorah's Keith Bruening is concerned the dialogue surrounding frac-sand mining in Winneshiek County has been one-sided.

- [CRA continues frac-sand fight](#)

3/31/2014 10:19:00 AM

On Monday, March 17, the Community Rights Alliance of Winneshiek County met with the Winneshiek County Board of Supervisors for an update on the rights-based ordinance to ban frac-sand mining in the county.

- [Take different approach to stop sand extraction](#)

3/28/2014 2:48:11 PM

Dear Editor: What do eggs and frac sand have in common? Both are somewhat rounded in shape, but other than that, very little to nothing. Except that they're both extremely profitable articles of interstate commerce.

- [CRA approach best way to stop irreversible harm](#)

3/20/2014 12:56:51 PM

Dear Editor: We saw the film, The Cost of Sand, at the Oneota Film Festival recently. It documents the current damage to farms and communities by frac-sand mining across the Mississippi in Wisconsin. We face a similar threat here to our soil, air, water, farms, hunting, fishing, roads, bridges as well as to the natural beauty cherished by all of us.

- [WCP wants same thing but has different approach](#)

3/20/2014 12:54:31 PM

Dear Editor: Let me say at the outset that we agree with much of what Rick Fromm said in his editorial (March 6, 2014) about frac-sand mining in Iowa. That said we hope to clear up some misconceptions about the Winneshiek County Protectors' work and our stances concerning possible frac-sand mining in Winneshiek County.

- [Supervisors leery of CRA ordinance](#)

3/19/2014 10:04:00 AM

At this stage of the game, would adopting an ordinance banning frac-sand extraction violate the Board of Supervisors' oath of office?

- [Winneshiek County Republicans, Democrats address frac sand](#)

3/12/2014 12:40:00 PM

Both the Winneshiek County Democratic and Republican parties addressed frac-sand mining during their recent county conventions, according to Lyle Otte, spokesperson for the Winneshiek County Protectors.

- [Might be a real chance to control our own destiny](#)

3/6/2014 9:36:12 AM

Should a community/county have the right to determine its own future and protect the inherent rights of its citizens? The obvious answer to that question is a resounding "yes," but it's not quite that simple. Not by a long shot.

- [Next step is clear, pass community bill of rights](#)

2/28/2014 12:52:27 PM

Dear Editor: I am happy to see how much community awareness and involvement there has been around the issue of frac-sand mining (FSM). I consider myself lucky to have grown up and to live in such a wonderful community where people make it a priority to protect what they love.

- [Rights of the people outweigh corporations](#)

2/28/2014 12:46:58 PM

Dear Editor: Almost wherever I go lately, it's easy to overhear good and gritty conversations about sand. Open-pit, frac-sand mining has become pervasive in our neighboring western Wisconsin, where mining corporations quietly invaded before folks were fully aware of what



was happening. The landscape has changed rapidly and drastically, and local citizens are scrambling for control over a situation that has gotten away from them.

- [March 7-9 workshop addresses community rights](#)  
2/26/2014 8:30:00 AM  
Those interested in banning rather than permitting frac sand mining will soon have an opportunity to learn how 160 US communities have banned similarly harmful activities using the Community Rights legal strategy, according to a statement released by the Community Rights Alliance of Winneshiek County.
- [Wednesday performance encourages discussion about frac-sand mining](#)  
2/25/2014 7:33:00 AM  
The Dreamery Rural Arts Initiative of Wykoff in collaboration with Heart of the Beast Puppet Theatre of Minneapolis presents "Let's Talk About Sand," a performance event encouraging discussion about the frac-sand mining industry, Wednesday, Feb. 26, at 6:30 p.m. at the Decorah Public Library. The event is free and open to the public.
- [Group presents frac-sand ordinance](#)  
2/20/2014 4:55:00 AM  
The Winneshiek County Board of Supervisors has received a proposed community bill of rights ordinance from the Community Rights Alliance of Winneshiek County.
- [Group determined to stop frac-sand mining -- PERIOD](#)  
2/13/2014 2:35:00 AM  
A group of concerned residents doesn't think an 18-month moratorium on frac-sand mining goes far enough to protect the citizens of Winneshiek County.
- [Trout enthusiasts should be worried](#)  
1/31/2014 4:26:00 AM  
"Trout fishing enthusiasts should be worried -- but so should anyone who drinks water in the northeastern corner of Iowa."
- [No state legislation pending on frac-sand mining](#)  
1/29/2014 6:09:00 AM  
There is no state legislation regarding frac-sand mining on the horizon, according to Winneshiek County Board of Supervisors Chair John Logsdon.
- [Winneshiek County Protectors meet with state legislators this week](#)  
1/7/2014 6:47:00 AM  
The Winneshiek County Protectors (WCP) will travel to Des Moines this week to discuss frac-sand mining this week.
- [Five county officials seeking re-election](#)  
1/3/2014 7:20:00 AM  
The five county elected officials with terms expiring at the end of the year all want to continue serving.
- [It's long past time to rein in corporate power](#)  
11/29/2013 6:27:00 AM  
Dear Editor: We all love our community and take pride in what we have built together. By working carefully with our assets, and planning for the future, Decorah has become a regional economic hub, and Winneshiek County continues to draw new businesses and residents because of our quality of life. However, there is more that needs to be done.
- [Sample frac-sand ordinance given to supervisors](#)  
10/30/2013 4:31:00 AM  
Learning from the experience of others.
- [Decorah's Donovan Hommen to address moral issues of frac-sand mining](#)  
10/17/2013 5:28:00 AM  
Dr. Donovan Hommen, a retired Lutheran pastor and clinical psychologist from Decorah, will

present "Our moralities and frac-sand mining" Tuesday, Oct. 22, from 7-9 p.m. at the La Crescent High School Fine Arts Center in La Crescent, Minn.

- [Winneshiek County Protectors win Sierra Club award](#)  
10/16/2013 3:30:00 AM  
A local group has been honored for outstanding work in community organizing.
- [Grant paves way for frac-sand air-quality study](#)  
10/1/2013 3:46:00 AM  
A grant received by the University of Iowa (U of I) will help implement the study of the health impacts of frac-sand mining in Winneshiek and Allamakee counties.
- [Rights Alliance working to bring rights to people](#)  
9/27/2013 4:17:00 AM  
Dear Editor:Winneshiek and Allamakee Counties have enacted moratoriums on frac-sand mining which allow us a little over a year (as of this writing) to research how it might effect our water, our air quality, our roads, our landscape, and our community.
- [County seeking help of consultant](#)  
9/23/2013 3:10:00 AM  
We have to look forward.
- [City asked to to pass resolution opposing frac-sand mining](#)  
9/12/2013 8:16:00 AM  
The city of Decorah has been asked to take a stand on frac-sand mining.
- [City asked to to pass resolution opposing frac-sand mining](#)  
9/9/2013 8:26:00 AM  
The city of Decorah has been asked to take a stand on frac-sand mining.
- [Bus trip to land of frac-sand mining provides insight to 'new' industry](#)  
8/14/2013 2:57:00 AM  
EDITOR'S NOTE: Last week, Reporter Lissa Blake climbed aboard a charter bus in New Albin to take a driving tour of a number of frac-sand mines in Western Wisconsin. This is her account of that experience.
- [Seats still available for Aug. 6 bus tour of Wisconsin frac-sand mines](#)  
8/1/2013 5:06:00 AM  
There are 12 seats left for a tour of frac-sand mining operations in Wisconsin. The all-day tour will take place Tuesday, Aug. 6.
- [Dorchester man walking to Dubuque to stop frac-sand mining](#)  
7/25/2013 9:18:00 AM  
A Dorchester man is hitting the road this week to highlight the perils of frac-sand mining.
- [Supervisors endorse study of frac-sand health impact](#)  
7/18/2013 4:32:00 AM  
The Winneshiek County Board of Supervisors has unanimously endorsed a study that will address the public health impact of frac-sand mining.
- [Winneshiek County may partner with U of I on multiple studies](#)  
7/3/2013 6:33:00 AM  
If the University of Iowa decides to collaborate with Winneshiek County, it will want to make it worth its while.
- [Luther College hosts Iowa Prairie Conference July 18-20](#)  
6/17/2013 5:57:00 AM  
Luther College will host the 14th Iowa Prairie Conference with the theme "Prairies on the Edge" Thursday through Saturday, July 18-20.
- [University of Iowa may not help with health-impact study of mining](#)  
6/12/2013 3:54:00 AM

The University of Iowa may not be able to help with a health-impact study on the effects of frac-sand mining in Winneshiek County.

- [Be aware of dangers from frac-sand mining](#)  
6/6/2013 7:28:00 AM  
Dear Editor:I write to urge everyone - particularly our elected officials - to be aware of the dangers of industrial frac sand mining and the need for strong, proactive regulation to keep it from threatening our air and water, our tourism industries and our land's beauty and integrity.
- [Grateful for moratorium, study should begin soon](#)  
6/6/2013 7:24:00 AM  
Dear Editor:We, the Winneshiek County Protectors, thank the county supervisors for their decision to put a moratorium in place. Now the actual work must begin to correct the inadequacies of the current comprehensive plan and the zoning ordinance.
- [Supervisors pass 18-month moratorium on frac-sand mining](#)  
6/5/2013 3:59:00 AM  
There will be no permits for frac-sand mining issued in Winneshiek County for at least the next 18 months.
- [Winneshiek County passes 18-month moratorium on frac-sand mining](#)  
6/3/2013 6:50:00 AM  
The Winneshiek County Board of Supervisors passed a resolution Monday morning establishing an 18-month moratorium on the issuance of conditional-use permits for frac-sand mining in the county.
- [Final word: People who live here don't want mining](#)  
5/30/2013 4:20:00 AM  
Dear Editor:Connie Mutel, an archivist for the University of Iowa College of Engineering, writes in her wonderful book "The Emerald Horizon: the history of nature in Iowa" that Iowa is the most altered state of all the 50. Two hundred years ago Iowa was over 90 percent native grass prairie, several percent oak savannah and the rest farmed land.
- [Do it right, pass a 24-month moratorium](#)  
5/30/2013 4:13:00 AM  
Dear Editor:A report released this May, funded by the Wisconsin Farmers Union, takes a detailed look at the economic impact of frac sand mining in Wisconsin.
- [Urge supervisors to take 24 months to study issue](#)  
5/30/2013 4:11:00 AM  
Dear Editor:This is a particularly beautiful time in Winneshiek County. You just have to look up and around you ... to see the amazing beauty of the bluffs, covered with trees, shrubs, wildflowers, and oh, yes, don't forget the morels which seem to be fruiting in abundance this year.
- [Need moratorium to study frac-sand mining](#)  
5/30/2013 3:53:00 AM  
Dear Editor:We all know of regulations on the books that seem meaningless. Perhaps the reason we feel this way is that without enforcement, it's true. They serve no purpose other than to take up space in a file drawer somewhere. We've seen examples of this recently in the Wall Street debacles and the disasters in deep water oil drilling.
- [Can't afford to make a mistake](#)  
5/30/2013 3:50:00 AM  
Life in Decorah/Winneshiek County is about as good as it gets - this winter and early spring notwithstanding - and anything that could possibly threaten that way of life needs to be examined closely ... in minute detail.

- [Supervisors direct county attorney to draft resolution](#)  
5/29/2013 4:44:00 AM  
In following case history, the Winneshiek Board of Supervisors will not need a public hearing to pass a resolution regarding a moratorium on new permits for frac-sand mining in the county.
- [Groups may combine in seeking help](#)  
5/24/2013 5:20:00 AM  
Several requests to the University of Iowa for studies in Winneshiek County could carry more weight if a number of organizations would consider collaborating.
- [Is moratorium on frac-sand mining needed?](#)  
5/23/2013 9:13:00 AM  
Dear Editor:I agree that there is need for a moratorium if it will result in the development of the following: That it would generally address the health, safety and general welfare of occupants of Winneshiek County.
- [Winn Co Conservation, Board of Supervisors may partner on proposals](#)  
5/22/2013 4:05:00 AM  
Several requests to the University of Iowa for studies in Winneshiek County could carry more weight if a number of organizations would consider collaborating.
- [P & Z recommends moratorium](#)  
5/16/2013 6:25:00 AM  
The Winneshiek County Planning and Zoning (P&Z) Commission has recommended an 18-month moratorium on permits for frac-sand mining in the county.
- [Hearing on possible frac-sand moratorium Tuesday night](#)  
5/14/2013 3:42:00 AM  
The Winneshiek County Protectors have presented 1,350 signatures on a petition supporting a 24-month moratorium on frac-sand mining to the Winneshiek County Board of Supervisors.
- [WCP hosts two showings of The Price of Sand](#)  
5/10/2013 3:44:00 AM  
The Winneshiek County Protectors will host two showings of "The Price of Sand," produced by Jim Tittle.
- [Consequences of sand mining very real to me](#)  
5/9/2013 9:52:00 AM  
Dear Editor:Dear Planning and Zoning Commissioners of Winneshiek County - Mike McGee, Steve Langland, Dan Langreck, John Berlage, Wenty Stevens, Mary Hoffman, Leslie Cook, Donna Rasmussen and Doug Egeland:
- [Let's ensure our quality of life, pass a moratorium](#)  
5/9/2013 9:49:00 AM  
Dear Editor:Dear Planning and Zoning Commissioners: After extensive reading about the frac-sand issue, I still have so many concerns and questions.
- [Save our livability, pass a frac-sand moratorium](#)  
5/9/2013 9:47:00 AM  
Dear Editor:I have lived in Winneshiek County for 33 years, 24 of them in Pleasant Township.
- [U of I study may help with study of frac-sand mining](#)  
5/9/2013 6:23:00 AM  
Northeast Iowa could get some help from the University of Iowa to study the health and economic impacts of frac-sand mining on the region.
- [Former superintendent concerned about stress on roads due to mining](#)  
5/9/2013 5:07:00 AM  
Former South Winneshiek Superintendent Dick Janson said school and county finances have much in common.

- [Supervisors asked to do 'homework' during 24-month moratorium](#)  
5/2/2013 6:12:00 AM  
Before making any decisions about the future of frac-sand mining in Winneshiek County, there is more research to be done.
- [Must have moratorium on frac-sand mining](#)  
4/26/2013 3:20:00 AM  
Dear Editor:On Earth Day we can celebrate one success story and work together to ensure a second.
- [Supervisors pass comprehensive plan](#)  
4/18/2013 8:18:00 AM  
A new county comprehensive plan doesn't have to be carved in stone.
- [Need moratorium to study frac-sand mining](#)  
4/18/2013 7:45:00 AM  
Dear Editor:We all know of regulations on the books that seem meaningless.
- [Planning and Zoning sets public hearing on frac-sand mining](#)  
4/9/2013 3:44:00 PM  
Before the Winneshiek County Planning and Zoning Commission considers a county moratorium on frac-sand mining, it wants more input from the public.
- [Planning and Zoning to discuss frac-sand mining moratorium Tuesday](#)  
4/8/2013 1:08:00 AM  
The Winneshiek County Planning and Zoning Commission will meet Tuesday, April 9, at 7 p.m. in the large courtroom at the Winneshiek County Courthouse.
- [Applaud those trying to stop mining of frac sand](#)  
4/4/2013 6:34:00 AM  
Dear Editor:Hats off to the local citizens who are endeavoring to stop the mining of fine-grain sand in our area for the fracturing of shale in the gas fields west of here. (An example of what they are trying to prevent can be seen just east of Highway 52 a few miles north of Chatfield.)
- [Supervisors seek P&Z input on frac-sand mining](#)  
3/28/2013 9:52:00 AM  
The Winneshiek County Board of Supervisors is asking the Winneshiek County Planning and Zoning Commission to weigh in on frac-sand mining in Winneshiek County.
- [Moratorium needed on frac-sand m1/22/15 pePeining](#)  
3/28/2013 4:33:00 AM  
Dear Editor:When it comes to the issue of frac-sand mining, the old saying "marry in haste, repent at leisure" has never been more true.
- [Winneshiek County Board of Supervisors asks Planning and Zoning to review frac-sand mining](#)  
3/25/2013 5:11:00 AM  
The Winneshiek County Board of Supervisors is asking the Winneshiek County Planning and Zoning (P&Z) Commission to weigh in on frac-sand mining.
- [County Protectors elect Board members](#)  
3/20/2013 4:31:00 AM  
The Winneshiek County Protectors, a newly formed group concerned with frac-sand mining, recently elected a Board of Directors at its organizational meeting.
- [Supervisors cautious in pursuing moratorium on frac-sand mining](#)  
3/20/2013 4:10:00 AM  
In pursuing a possible moratorium on frac-sand mining in Winneshiek County, county officials plan to be extremely careful.
- [Supervisors hear pros, cons of frac-sand mining](#)  
3/6/2013 5:51:00 AM

Although there are currently no permit applications to mine frac sand in Winneshiek County, a number of concerned citizens want to make sure county officials have a plan to deal with them.

- [Winneshiek County Protectors to hold organizational meeting Wednesday](#)  
3/3/2013 5:26:00 AM  
The organizational meeting of the Winneshiek County Protectors, a group of concerned citizens which recently formed to research and monitor frac-sand mining in Winneshiek County, is Wednesday, March 6 at 7:30 p.m. in the Decorah Middle School cafeteria.
- [Seeks moratorium on frac-sand mining](#)  
3/1/2013 3:29:00 AM  
A concerned citizen plans to ask the Winneshiek County Board of Supervisors to take some action to prevent frac-sand mining within the county.
- [Winneshiek County Protectors host showing of "Frac Sand Land" movie tonight](#)  
2/27/2013 5:13:00 AM  
The Winneshiek County Protectors will host a showing of "Frac Sand Land" tonight, Wednesday, February 27, on the mezzanine at the Decorah Public Library.
- [Concerned local citizens monitoring frac-sand mining](#)  
2/27/2013 3:09:00 AM  
Although there have been no permit applications for frac-sand mining in Winneshiek County, a group of concerned citizens is keeping watch in case it happens.
- [Aerial survey concerned with valuable minerals, not frac sand](#)  
2/21/2013 8:20:00 AM  
Strange, low-flying helicopters carrying net-like antennas; news that Decorah is sitting on a buried meteorite impact crater; and meetings on frac-sand mining have many locals wondering what it all means.
- ['Frac' sand mining meeting Wednesday](#)  
2/19/2013 4:27:00 AM  
A public meeting on frac sand mining is Wednesday, Feb. 20, at 7:30 p.m. in the Decorah High School auditorium.
- [Frac sand meeting is Wednesday, Feb. 20](#)  
2/7/2013 2:24:00 AM  
Just because there is no one actively mining for frac sand in Winneshiek County, doesn't mean it couldn't happen here.
- [Public invited to frac sand mining meeting Feb. 20](#)  
2/1/2013 7:56:00 AM  
An informational meeting on frac sand mining is Wednesday, Feb. 20, at 7:30 p.m. in the Decorah High School auditorium.

Decorahnews.com

LOCAL NEWS [Decorah Newspapers](#) [Decorahnews.com](#) [Bluff Country News](#)

(return to [References](#))

[University of Iowa graduate students says frac mine in Winneshiek County would have economic impact ranging from \\$750,000 to \\$2.8 million](#)

**Posted:** Fri, Nov 28, 2014 5:15 PM [Note, this presentation was 12/1/14.]

["Sand mining is coming quickly," says University of Iowa professor](#)

**Posted:** Mon, Oct 13, 2014 2:48 PM

[\[Full Story\]](#)

**[Moratorium on frac sand mining in Winneshiek County extended until next October](#)**

**Posted:** Tue, Sep 30, 2014 8:32 AM

[\[Full Story\]](#)

**[Supervisors get an update on frac sand study](#)**

**Posted:** Mon, Sep 29, 2014 7:41 PM

[\[Full Story\]](#)

**[Political organizing is the key to stopping frac sand mining, New Mexico county supervisor tells Decorah audience Sunday night](#)**

**Posted:** Sun, Sep 28, 2014 9:47 PM

[\[Full Story\]](#)

**[Should Winneshiek County charge "road impact fees" if frac sand mining starts?](#)**

**Posted:** Mon, Sep 22, 2014 1:40 PM

[\[Full Story\]](#)

**[Work on Winneshiek County frac mining ordinance is heading into the home stretch](#)**

**Posted:** Mon, Jun 9, 2014 9:08 PM

[\[Full Story\]](#)

**[No advice yet from consulting firm on frac sand regulations](#)**

**Posted:** Tue, May 27, 2014 6:18 PM

[\[Full Story\]](#)

**[Letter to the Editor: Frac sanding mining would hurt load roads](#)**

**Posted:** Mon, May 26, 2014 6:54 PM

by Ellen Rockne [\[Full Story\]](#)

**[Winneshiek County Protectors: We take a different approach to frac sand mining](#)**

**Posted:** Thu, Mar 20, 2014 10:47 AM

Letter to the Editor by Lyle Otte [\[Full Story\]](#)

**[Letter to the Editor: Ban Frac Sand Mining](#)**

**Posted:** Fri, Mar 7, 2014 7:16 AM

[\[Full Story\]](#)

**[Letter to the Editor by Amanda Wikan of Decorah regarding Frac Sand Mining](#)**

**Posted:** Thu, Feb 27, 2014 8:07 PM

[\[Full Story\]](#)

**[Response to Jim Maloney's Letter to Editor on frac sand mining](#)**

**Posted:** Thu, Feb 20, 2014 7:59 PM

[\[Full Story\]](#)

**[Winneshiek County Protectors: Don't confuse us with the Community Rights Alliance for Winneshiek County](#)**

**Posted:** Mon, Feb 17, 2014 3:04 PM

[\[Full Story\]](#)

**[County supervisors ask questions, take no action on Community Rights request](#)**

**Posted:** Mon, Feb 17, 2014 2:33 PM

[\[Full Story\]](#)

**[Community Rights Alliance of Winneshiek County submits ordinance to ban frac sand mining](#)**

**Posted:** Sun, Feb 16, 2014 10:17 PM

[\[Full Story\]](#)

**[Letter to the Editor: We won't allow frac sand mining](#)**

**Posted:** Sun, Feb 16, 2014 10:16 PM

by Annie Zylstra of Decorah [\[Full Story\]](#)

**[Frac sand program is planned for February 26th at Decorah Library](#)**

**Posted:** Tue, Feb 11, 2014 7:49 PM

[\[Full Story\]](#)

**[The Minnesota man helping Winneshiek County Protectors draft a proposed frac sand mining ordinance is convicted of impersonating an attorney](#)**

**Posted:** Fri, Jan 17, 2014 8:46 AM

[\[Full Story\]](#)

**[Winneshiek Protectors submits proposed frac sand ordinance to Winneshiek County Board](#)**

**Posted:** Mon, Oct 28, 2013 1:04 PM

[\[Full Story\]](#)

**[National Institute of Health approves \\$125,000 grant for study of the risks from frac sand mining](#)**

**Posted:** Mon, Sep 30, 2013 11:54 AM

[\[Full Story\]](#)

**[City council will continue to study proposed frac sand mining resolution](#)**

**Posted:** Mon, Sep 16, 2013 9:22 PM

[\[Full Story\]](#)

**[University of Iowa and University of Wisconsin--Milwaukee will do frac sand mining health impact study](#)**

**Posted:** Mon, Jul 15, 2013 1:50 PM

Will include Allamakee and Winneshiek counties in their study [\[Full Story\]](#)

**[University of Iowa professor says frac study would best be done in cooperation with Wisconsin officials](#)**



**Posted:** Mon, Jun 10, 2013 3:52 PM  
[\[Full Story\]](#)

**[County supervisors approve 18-month moratorium on frac sand mining permits](#)**

**Posted:** Mon, Jun 3, 2013 1:10 PM  
[\[Full Story\]](#)

**[County supervisors will be given sample resolutions next Monday for a frac sand moratorium](#)**

**Posted:** Tue, May 28, 2013 9:24 PM  
[\[Full Story\]](#)

**[County supervisors will meet with County Attorney next Tuesday to discuss the best way to implement a moratorium on frac sand mining](#)**

**Posted:** Mon, May 20, 2013 6:36 PM  
[\[Full Story\]](#)

**[University of Iowa could do study of frac sand mining in Winneshiek County](#)**

**Posted:** Mon, May 20, 2013 6:32 PM  
[\[Full Story\]](#)

**[County Planning & Zoning Commission recommends 18-month moratorium on permits for frac sand mining](#)**

**Posted:** Tue, May 14, 2013 10:30 PM  
[\[Full Story\]](#)

**[Petition calling for a 24-month moratorium on frac sand mining gets presented to county supervisors.](#)**

**Posted:** Mon, May 13, 2013 11:21 AM  
[\[Full Story\]](#)

**[County Planning & Zoning Commission will hold public hearing on frac sand mining May 14th](#)**

**Posted:** Tue, Apr 9, 2013 9:36 PM  
[\[Full Story\]](#)

**[County board asks for study of frac sand moratorium](#)**

**Posted:** Mon, Mar 25, 2013 11:21 AM  
[\[Full Story\]](#)

**[On-line petition is calling on the Iowa Legislature to ban frac sand mining in the state](#)**

**Posted:** Sun, Mar 24, 2013 5:44 PM  
[\[Full Story\]](#)

**[Winneshiek County supervisors discuss frac sand mining](#)**

**Posted:** Mon, Mar 18, 2013 10:45 AM  
[\[Full Story\]](#)

## [Opponents of frac sand mining are organizing in Winneshiek County](#)

Posted: Sun, Feb 3, 2013 4:45 PM

[\[Full Story\]](#)

### Bluff Country News

LOCAL NEWS [Decorah Newspapers](#) [Decorahnews.com](#) [Bluff Country News](#)

(return to [References](#))

- [Houston County board looks at health issues](#)  
12/3/2014 11:09:48 AM  
Houston County Public Health director Mary Marchel gave members of the Houston County board a report Nov. 25 on the year that's drawing to an end, and her vision for 2015-16.
- [Houston county board to consider 'most important vote'](#)  
11/5/2014 2:22:43 PM  
"You commissioners will soon pass the most important vote of your lives; whether or not to allow frac sand mining," Michael Fields told the Houston County board on Oct. 28.  
[Houston County petitioned to ban frac sand mines](#)  
10/30/2014 2:27:23 PM  
On Oct. 21, opponents of frac sand mining presented local officials with a petition to ban the practice within the bounds of Houston County — before it gets a foothold.
- [Houston County grants tax incentives](#)  
10/16/2014 1:29:23 PM  
Following a public hearing on the matter, Houston County commissioners approved a pair of tax abatements for economic development on Oct. 7.
- [Election could determine future of frac sand mining in Houston County](#)  
10/9/2014 9:38:45 AM  
Two years ago I was present at and observed all but one of the frac sand "study" committee meetings in Houston County. Eric Johnson, a township officer, was one of Rick Frank's and Bob Scanlan's handpicked people on the committee.
- [Endorse promise of local self-government to protect community health, local welfare](#)  
9/15/2014 10:00:39 AM  
The Community Rights Alliance of Winneshiek County, along with hundreds of county residents and regional supporters, oppose the idea that permitting frac sand mining is in the best interests of the county.
- [Newspapers have responsibility to monitor published opinions](#)  
9/9/2014 10:20:49 AM  
I've been in frequent conversations with our Minnesota Newspaper Association attorney over the past few months. He's a nice guy and I always enjoy talking to him, but the multiple conversations aren't social calls; they have been necessary due to the passion of our contributors to our opinion page.
- [The fight to stop frac sand mining is not over](#)  
9/8/2014 10:09:31 AM  
I live in Saratoga Township near St. Charles. Last Sunday I walked in the Gladiolus Days parade with township neighbors and other Land Stewardship Project members working to stop frac sand mining. Some people I talked to thought this battle was won by defeating the sand plant proposed at St. Charles. They didn't realize this is still an issue.
- [Letter: No mine exempt from regulations](#)  
8/28/2014 3:46:45 PM

Just before I was about to make a statement to the Houston County Board of Commissioners during their Aug. 19 meeting, they voted to cancel the “public comment” portion of their weekly meetings indefinitely. These are the words that Steve Schuldt, Judy Storlie and Board Chair Teresa Walter did not want to hear:

- [Letter: Public doesn't want overbuilt highway shop](#)  
8/28/2014 3:43:38 PM  
I would like to thank Commissioner Steve Schuldt for taking the advice of the architect and the county engineer by bringing in Ehlers & Associates. Ehlers is a financing firm that will get paid commission when the County Board OKs the bonding to build the new county engineer’s shop at the tune of around \$5 million. HSR Associates (architect), will also be paid a very large commission once Commissioners Schuldt, Judy Storlie, and Teresa Walter approve the bond.
- [Sand mine stopped for setback permit](#)  
8/9/2014 3:27:18 AM  
The Minnesota Department of Natural Resources has shut down a Houston County silica sand mine
- [Keeping Houston County citizens informed and involved](#)  
7/23/2014 10:15:03 AM  
The top three issues facing Houston County:
- [‘Water is our most precious resource’](#)  
7/17/2014 4:03:47 PM  
You can live 3 minutes without air; in a harsh environment, such as blizzard you have 3 hours to survive without shelter. After 3 days you will die without water. The human body is made up of around 60 percent water.
- [County receives traffic safety award](#)  
7/17/2014 3:36:04 PM  
Drivers know how disturbing it is to see flashing lights in the rear view mirror. But according to Scott McConkey, a traffic stop just might save your life.
- [Civil discourse not sexy, but it can lead to solutions](#)  
7/8/2014 11:11:00 AM  
A couple months ago, Merwood Storhoff of Lanesboro submitted a letter to the editor in response to a previous letter about frac sand mining in the Bluff Country Reader. He expressed his frustrations in the letter regarding the lack of enforcement of mining ordinances by county officials.
- [Houston County sand mine to reopen](#)  
7/7/2014 10:46:00 AM  
By the narrowest of margins, Houston County commissioners approved a contentious conditional use permit (CUP) renewal
- [Writ of mandamus filed against Houston County](#)  
6/12/2014 7:15:00 AM  
...would compel Houston County to take or refrain from taking some specific actions. Those include telling mine owner Tracy Erickson that the CUP issued to a previous owner on Jan. 8, 2008, has expired (and therefore cannot be renewed).
- [Is Houston County at war with citizens?](#)  
6/12/2014 6:47:00 AM  
It's wrong that citizens have to lawyer up just to get certain county employees to do their jobs.
- [Keeping Houston County citizens informed and involved](#)  
6/12/2014 6:40:00 AM  
As I work for you - my serving a second term will be your decision in November.
- [County board changes rules on speech at meetings](#)  
6/5/2014 10:06:00 AM

Houston County commissioners voted to amend their "public comment" policy on May 27. Complaints about county employees will no longer be allowed, and video recording of meetings will only be permitted from behind the presenter desk and to the side of the room.

- [Contentious permit tasks planning commission](#)  
5/29/2014 8:54:00 AM  
By a 5-2 vote, the Houston County Planning Commission recommended approval for... CUP #261, which allows Tracie Erickson to engage in mineral extraction
- [Winneshiek County resident concerned with traffic implications of frac sand trucking](#)  
5/19/2014 5:05:00 AM  
Here in Winneshiek County, keeping our roads and bridges passable and in good repair is both costly and time consuming. Budgets strain. Our long winters take their toll.
- [Are fossil fuel addicts the Bible's wicked angels?](#)  
5/19/2014 4:51:00 AM  
Some, not all, but some Christians scoff at, even hate, environmentalists. To the scoffers, it is pure arrogance to think that human activity could destroy creation.  
[Planning Commission tables mine renewal](#)  
5/13/2014 9:54:00 AM  
The Houston County Planning Commission got an earful from residents ...More than 30 persons packed into the former courtroom - arguments were as intense as in any court case over the renewal of a controversial conditional use permit (CUP) for Tracie Erickson of Yucatan Township.
- [Frac sand rules useless if not enforced](#)  
5/12/2014 5:22:00 AM  
I would like to comment on Bonita Underbakke's letter to the editor on April 28. We have a right to be concerned about sand frac mining, especially in Fillmore County. All sand frac meetings the last two years have missed one important point: All the rules and regulations are not worth a dime if not enforced.
- [Reader applauds commissioner for stand on property rights, responsibilities](#)  
4/28/2014 3:45:00 AM  
I applaud neighboring Houston County Commissioner Dana Kjome's words about balancing personal rights with responsibility toward community. (Bluff County Reader, April 14, 2014, page 12).
- [Frac sand ban could 'make new law'](#)  
4/18/2014 10:10:00 AM  
The decision on whether or not to ban frac sand mining in Houston County has been put off...
- [Wanting to share my admiration and hope for Houston County](#)  
4/18/2014 6:35:00 AM
- [To ban or not to ban?](#)  
4/11/2014 10:40:00 AM  
On Tuesday, April 1, Houston County commissioners decided to put off making committee assignments for a panel aimed at finding legal language for banning frac sand mining.
- [Community rights need not be feared](#)  
4/7/2014 4:28:00 AM  
Winneshiek County is indeed a beautiful and healthy place to live and visit. In fact, the Robert Wood Johnson Foundation recently designated Winneshiek County as the eighth healthiest in the whole country. The threat of frac sand mining on the health and beauty of the county is real, and I am glad to see the supervisors taking this threat seriously.
- ['Ban Committee' will study mining ordinance](#)  
4/4/2014 6:37:00 AM

Even as one Houston County committee begins drawing up ordinances to regulate frac sand mining, a second county panel will seek legal language to ban the activity.

- [Where do you stand?](#)  
4/4/2014 5:25:00 AM  
I'm really dismayed by the letter from Commissioner Teresa Walter that appeared in several area papers last week.
- [Board splits, but approves purchases](#)  
3/27/2014 8:34:00 AM  
Beginning with the March 18 session, county-produced videos of Houston County commissioner's meetings will be available for online viewing.
- [County board discusses possible train safety issues, frac sand](#)  
3/19/2014 6:48:00 AM  
"It's not a question of if, it's a question of when," Houston County emergency coordinator Kurt Kuhlers told county commissioners on March 11.
- [Keeping Houston County citizens informed and involved](#)  
3/19/2014 5:29:00 AM
- [Do you know Houston County Board meetings are posted on YouTube?](#)  
3/19/2014 5:28:00 AM
- [Banning frac sand? What's next?](#)  
3/19/2014 5:25:00 AM  
[New Public Health Director speaks:](#)  
3/12/2014 10:16:00 AM  
"My passion for years has always been public health," Mary Marchel said last week.
- [Commissioners round up frac sand panel](#)  
3/12/2014 10:10:00 AM  
When it comes to the issue of frac sand mining in Houston County, nothing comes easy.
- [County closes book on '13 flood](#)  
3/5/2014 9:11:00 AM  
On Feb. 25, Houston County commissioners awarded the final FEMA (Federal Emergency Management Authority) bridge repair project from last June's flooding.  
[Performance shows tiny grain of sand looms large in fracking debate](#)  
3/4/2014 2:49:00 AM  
"What we've got a lot of is sand so small and so round," sang a group of performers, including local artist Eva Barr, Spring Valley residents Jake Stacken and Pam Freet, and members of In the Heart of the Beast Theatre of Minneapolis, as they used the timeless country tune "Cool, Clear Water" to share why they feel fractured sand mining is detrimental to the driftless region and the people and animals inhabiting it.
- [County considers frac sand ban, seeks assistance](#)  
2/26/2014 5:22:00 AM  
Houston County commissioners continue to struggle with the issue of frac sand mining.
- [County to take plastic](#)  
2/12/2014 7:10:00 AM  
Houston County commissioners voted to sign a three-year contract with Point & Pay LLC...
- [Caucuses mark beginning of campaign season](#)  
2/12/2014 3:34:00 AM  
Last Tuesday, Feb. 4, citizens from all over Fillmore County gathered for their local caucuses. As 2014 marks national, state and local elections, congressional, senatorial and gubernatorial positions are again up for election or reelection.
- [Caucuses mark beginning of campaign season](#)  
2/11/2014 2:33:00 AM

Last Tuesday, Feb. 4, citizens from all over Fillmore County gathered for their local caucuses. As 2014 marks national, state and local elections, congressional, senatorial and gubernatorial positions are again up for election or reelection.

- [Let's hear it for the birds](#)  
1/29/2014 7:59:00 AM  
On Saturday, Jan. 18, I was in Winona at a frac-sand summit. There were concerned citizens and university scientists talking about the health and environmental hazards surrounding frac-sand mining.
- [Human rights vs. frac-sand profits](#)  
1/29/2014 5:03:00 AM
- [Planning commission post filled](#)  
1/29/2014 4:31:00 AM  
On Jan. 21, Richard Schild of rural Houston was appointed to the Houston County Planning Commission by the county board.
- [Will frac sand ban be extended for county?](#)  
1/14/2014 5:05:00 AM  
The Houston County Board will convene a public hearing on a hot topic on Tuesday, Jan. 28. That's when commissioners will let citizens weigh in on a one-year extension to the county's moratorium on frac sand mining.
- [County Board grants mine permit](#)  
12/10/2013 8:44:00 AM  
Houston County commissioners took the recommendation of their Planning Commission (PC) on Dec. 3, voting unanimously to grant a five-year conditional use permit (CUP) for a mine expansion in Caledonia Township.
- [County board seeks budget cuts](#)  
12/5/2013 2:40:00 AM  
On Nov. 26, Houston County commissioners brought two of their largest departments to the table to discuss the 2014 budget, which is currently over \$70,000 higher than the maximum allowable levy.
- [Grants go before county board](#)  
11/19/2013 8:25:00 AM  
Houston County commissioners considered a variety of grants on Nov. 12.
- [County awaits accident report](#)  
11/13/2013 5:19:00 AM  
On Nov. 5, commissioners were updated on last week's fatal plane crash at the Houston County Airport.
- [OPINION: Keeping Houston County citizens informed and involved](#)  
11/6/2013 9:52:00 AM
- [Frac sand ban 'not off the table'](#)  
10/30/2013 6:17:00 AM  
State administrators have supported the prerogative of Minnesota counties to ban frac sand mining in certain areas, Houston County Commissioners were told on Oct. 22.
- [County approves flood repairs](#)  
10/16/2013 7:45:00 AM  
On Oct. 8, Houston County Commissioners approved final payments for nine Federal road repair projects related to June flooding.
- [LETTER: Commissioners should vote term limits](#)  
9/26/2013 10:49:00 AM  
To Houston County commissioners:As a resident organic farmer in Money Creek Township, I

ask you to do your duty as elected officials to protect the health, safety, and welfare of your fellow citizens by taking action on the following two issues:

- [LETTER: Neighbors in Iowa seeking stronger say in frac sand options](#)  
9/26/2013 10:47:00 AM  
Winneshiek and Allamakee counties in Iowa have enacted moratoriums on frac sand mining, which allow us a little over a year (as of this writing) to research how it might affect our water, our air quality, our roads, our landscape and our community.
- [Neighbors seeking stronger say in frac sand options](#)  
9/25/2013 3:47:00 AM  
Winneshiek and Allamakee counties in Iowa have enacted moratoriums on frac sand mining, which allow us a little over a year (as of this writing) to research how it might affect our water, our air quality, our roads, our landscape and our community.
- [Report calls for frac sand EIS on area mines to be rigorous, comprehensive](#)  
9/19/2013 9:10:00 AM  
An upcoming environmental review of the biggest frac sand mining project ever proposed in southeast Minnesota must not only examine impacts on air, water and economics, but should also require full disclosure of the proposers' business ties and track record, says a new report released Monday by the Land Stewardship Project (LSP).
- [Report calls for frac sand EIS on area mines to be rigorous, comprehensive](#)  
9/18/2013 4:38:00 AM  
An upcoming environmental review of the biggest frac sand mining project ever proposed in southeast Minnesota must not only examine impacts on air, water and economics, but should also require full disclosure of the proposers' business ties and track record, says a new report released Monday by the Land Stewardship Project (LSP).
- [Insects, jobs on county agenda](#)  
8/13/2013 8:14:00 AM  
Dave Geske, La Crosse County vector control manager, appeared before Houston County commissioners on Aug. 6. He reported on efforts to curb insect-borne diseases in the region, including Houston County.
- [LETTER: What we do affects those downstream](#)  
7/16/2013 9:48:00 AM
- [County board splits on granting six-month mining CUP](#)  
7/9/2013 5:15:00 AM  
Residents filled the Commissioners Room in Caledonia on July 2, as the Houston County board took up a controversial conditional use permit (CUP) application.
- [County to try 'fog seal' on roads](#)  
6/18/2013 8:53:00 AM  
Houston County engineer Brian Pogodzinski told commissioners that his department will opt for a different kind of sealcoating this year on county roadways.
- [Mining lawsuit continues over frac sand](#)  
6/4/2013 10:51:00 AM  
Houston County commissioners went into closed session on May 28, holding a teleconference with attorney Jay Squires. Based in Minneapolis, Squires serves the county on land-use matters. The board invoked attorney-client privilege as the reason for closing the meeting.
- [Frac sand moratorium is needed](#)  
6/3/2013 3:48:00 AM  
A very important question was recently raised in the Decorah newspaper: Do we need a moratorium on industrial-scale frac sand mining in Winneshiek County?
- [Frac-sand mining not compatible with outdoor tourism of northeast Iowa](#)  
6/3/2013 3:45:00 AM

A report released this May, funded by the Wisconsin Farmers Union, takes a detailed look at the economic impact of frac sand mining in Wisconsin. Titled "The Economic Benefits and Costs of Frac-Sand Mining in West Central Wisconsin," it addresses many of the same issues we are grappling with in northeast Iowa.

- [Jobs, pay and services hit county agenda](#)

5/27/2013 11:24:00 AM

The Houston County Board of Commissioners voted on several personnel matters at their meeting on May 21. The first motion was to approve the hiring of up to six 67-day employees as a "bank of employees" to supervise court-ordered supervised parental visits. That passed by unanimous vote. The employees will be compensated at \$11.23 per hour.

- [LETTER: A real conservative has to conserve](#)

5/27/2013 10:09:00 AM

Thank you (to the Herald) for your coverage of this important matter (frac sand). I take issue, however, with your statement (in the article "Frac sand mining setbacks spark debate" on May 15) that banning industrial scale frac sand mining is a "more radical approach."

- [County hires SG firm](#)

5/22/2013 6:24:00 AM

On May 14, Houston County commissioners approved a proposal from Robert Vogel, managing partner of Pathfinder, CRM of Spring Grove.

- [LETTER: Senator Miller does one thing and says another](#)

5/22/2013 5:09:00 AM

We already know from Wisconsin that frac sand mining will turn our rural communities into industrial zones. We will be left nothing but destroyed roads and polluted water and air. Profit will go into the pockets of outside investors who bankroll the operations.

- [OPINION: Agreement reached on trout stream setback language](#)

5/22/2013 5:06:00 AM

With just five legislative days left until the end of session, the Minnesota Senate has spent many hours debating and discussing several pieces of legislation on the floor, however, has yet to take up any final budget bills.

- [Frac sand mining setbacks spark debate](#)

5/14/2013 6:54:00 AM

Houston County commissioners surveyed the ever-changing frac sand mining landscape during their May 7 meeting, noting that proposals from state legislators that may have local impacts.

- [County board discusses actions at state level on sand mines, quarry](#)

5/13/2013 10:07:00 AM

The May 7 Fillmore County Board of Commissioners regular meeting was called to order with Commissioner Thomas Kaase participating via telephone conference as much of the discussion centered on sand mining.

- [Winneshiek County needs moratorium on frac-sand mining to allow time to gather information](#)

5/13/2013 9:51:00 AM

- [Moratorium on sand mining needed to make sure integrity of Winneshiek County can be maintained](#)

5/13/2013 9:50:00 AM

- [Now we know sinkholes can create serious risks to our water supply](#)

5/13/2013 9:50:00 AM

- [LETTER: Sen. Miller siding with frac sand special interests, not his constituents](#)

5/9/2013 5:34:00 PM

In this time of crisis, Southeast Minnesota deserves leadership to provide strong protections



against the ravages of industrial-scale frac sand mining. Not only is Sen. Jeremy Miller not leading, he is an obstructionist to meaningful legislation.

- [County board discusses actions at state level on sand mines, quarry](#)  
5/8/2013 6:33:00 AM  
The May 7 Fillmore County Board of Commissioners regular meeting was called to order with Commissioner Thomas Kaase participating via telephone conference as much of the discussion centered on sand mining.
- [Road maintenance is already underfunded, increased truck traffic from sand mining could make matters worse](#)  
5/6/2013 4:13:00 AM
- [Winneshiek County resident requesting 24-month moratorium on frac sand mining](#)  
5/6/2013 4:12:00 AM
- [Moratorium on frac sand mining is 'wise and conservative step' to take](#)  
5/6/2013 4:11:00 AM
- [Moratorium needed to review regulations related to frac sand mining in Winneshiek County](#)  
5/6/2013 4:10:00 AM
- [Feedlot report cites 'Above and Beyond'](#)  
5/1/2013 4:45:00 PM  
On April 23, Zoning Administrator Bob Scanlan presented Houston County Commissioners with the 2012 feedlot report that his department has compiled for the Minnesota Pollution Control Agency (MPCA).
- [LETTER: Let's get honest about frac sand mining in Houston County](#)  
5/1/2013 4:00:00 PM  
After observing the Houston County Frac Sand Study Group for well over 20 hours, I can not recall a single time when anyone from our Planning and Zoning Board, county engineer, "industry consultant/ spokesperson for sand and gravel industry" has advanced a single argument in favor of restricting or regulating mining or protecting the health and safety of county residents.
- [Frac Sand Study Group needs direction](#)  
4/23/2013 5:47:00 AM  
When Frac Sand Study Committee member Kelley Stange spoke to the Houston County Board on April 16, it opened up a topic that commissioners would return to later.
- [Frac Sand Committee disbanded](#)  
4/23/2013 5:46:00 AM  
When the Houston County Board held a special meeting on April 19, they had just one item on their agenda - the Houston County Frac Sand Study Committee.
- [Final frac sand committee meeting held](#)  
4/23/2013 5:45:00 AM  
The Houston County Frac Sand Study Committee held its final meeting on April 19. While members "agreed to disagree" of several topics, some common ground emerged as the group made its final recommendations to the Houston County Board.
- [LETTER: Consider environment in frac sand debate](#)  
4/23/2013 4:53:00 AM  
On Earth Day, we celebrated a local success story and can work together to ensure a second. First, Lora Friest, director of the Northeast Iowa Resource, Conservation and Development, in a recent presentation showed how careful data collection, analysis and remediation work in the Upper Iowa watershed tributaries over the past 13 years has begun to decrease pollution.
- [Ask Gov. Dayton to help protect water sources from frac sand mining](#)  
4/22/2013 3:44:00 AM  
As a resident of karst country, I know how easily our water supply for the future can be

polluted. I am concerned that frac sand mining is trying to push into our area with only weak state regulations in place to protect our water. I was disappointed when Gov. Mark Dayton said he did not support a moratorium to study the environmental impacts of frac sand mining before we let it into our area.

- [Progress made in water conservation efforts in Iowa](#)

4/22/2013 3:43:00 AM

On Earth Day we can celebrate one local success story and work together to ensure a second. First, Lora Friest, director of the Northeast Iowa Resource, Conservation and Development, in a recent presentation showed how careful data collection, analysis and remediation work in the Upper Iowa watershed tributaries over the past 13 years has begun to decrease pollution.

- [New frac sand committee agrees on little in first meeting](#)

4/16/2013 5:52:00 AM

The most telling clue as to just how divisive the issue of frac sand mining has become in southeastern Minnesota is what happened when Houston County's Frac Sand Study Committee began its April 12 meeting. It took over 20 minutes just to approve the agenda.

[Township Officers Association adopts bylaws, learns about road projects in the area](#)

4/16/2013 5:31:00 AM

The Houston County Township Officers Association (HCTOA) held its annual business meeting on April 4 at Good Times in Caledonia.

- [LETTER: Red tape versus real regulation](#)

4/16/2013 4:42:00 AM

We all know of regulations on the books that seem meaningless. Perhaps the reason we feel this way is that without enforcement, it's true.

- [LEGAL: Houston County Board minutes](#)

4/16/2013 4:32:00 AM

PROCEEDINGS OF THE BOARD OF COUNTY COMMISSIONERSDate: Tuesday, April 2, 2013, at 9:00 a.m.

- [Citizens return to encourage county board to require EIS for Rein mines](#)

4/10/2013 3:44:00 AM

More public input toward silica sand mining was received at the regular Fillmore County Board of Commissioners meeting on Tuesday, April 9, from concerned Fillmore County citizens. The comments centered on the county's upcoming decision on whether to require an Environmental Impact Statement (EIS) for the Rein Quarry operated by Reilly Construction.

- [Bike trail divides county board](#)

4/9/2013 6:11:00 AM

On April 2, Houston County commissioners deadlocked on a vote to guarantee \$16,667 in local funding for a Winona County bike trail. Chairman Justin Zmyewski cast his first tie-breaking vote of the year, approving the project.

- [State takes lead on frac sand EIS](#)

4/2/2013 6:27:00 AM

On March 26, Yucatan Township resident Amanda Griggs told Houston County commissioners that their wish has been granted. The State of Minnesota is taking over the preparation of a three-county Environmental Impact Statement (EIS) for a series of frac sand mines proposed by a single prospector.

- [Environmental Quality Board becomes regulating government unit for silica sand mines in tri-county area](#)

3/27/2013 5:21:00 AM

The silica sand project sites under the operation of Minnesota Sands, LLC, will now be subject to a General Environmental Impact Statement (EIS) study by the Minnesota Environmental Quality Board (EQB).

- [Superintendent receives favorable evaluation](#)  
3/26/2013 6:29:00 AM  
At the March 18 meeting of the Board of Education #297, board chair Aaron Solum reported on last month's superintendent review.
- [Commissioners to determine if EIS is needed for silica sand mine on April 2](#)  
3/26/2013 5:32:00 AM  
The Fillmore County Board will be considering whether or not to require an Environmental Impact Statement (EIS) for the Rein silica sand mine at its regular board meeting on Tuesday, April 2, at 9 a.m.
- [Mining Bluff Country sand won't slow climate change](#)  
3/26/2013 5:32:00 AM  
Myth: We must willingly accept all consequences and changes from frac sand mining because that sand will be used to obtain the "green" fuel of natural gas and slow climate change.
- [Commissioners to determine if EIS is needed for silica sand mine on April 2](#)  
3/19/2013 11:09:00 AM  
The Fillmore County Board will be considering whether or not to require an Environmental Impact Statement (EIS) for the Rein silica sand mine at its regular board meeting on Tuesday, April 2, at 9 a.m. The decision by the board will cap a 30-day process, which included hearing and receiving comments from 17 government agencies, groups and individual citizens.
- [County hires Mead & Hunt, approves CUPs](#)  
3/19/2013 4:51:00 AM  
Houston County commissioners unanimously approved a master agreement offered by airport consultant Mead & Hunt on March 12. The contract will run until March of 2018.
- [LEGAL: Houston County Board minutes](#)  
3/19/2013 4:20:00 AM
- [Main Street plans still being debated](#)  
3/12/2013 8:43:00 AM  
Trees, planters and sidewalks drew a roomful of citizens to the March 5 meeting of the Spring Grove City Council. When Main Street/Highway 44 is rebuilt this summer, 15 planting beds and spots for 40 trees are currently planned for the corridor.
- [County extends frac sand mining moratorium for another year](#)  
3/12/2013 8:40:00 AM  
Frac sand mining dominated discussions between Houston County commissioners last week. The March 5 meeting began with a public hearing to lengthen the county's moratorium on silica sand mining and processing. Between 20 and 25 persons attended.
- [LETTER: State needs to investigate risks of frac sand mining](#)  
3/12/2013 7:46:00 AM  
Sen. Schmit's proposed legislation is an important step providing for further scrutiny of the impact of frac sand mining and the consequent development of appropriate regulation to protect Minnesota's citizens.
- [LETTER: Writer calls on more support for frac sand legislation](#)  
3/5/2013 4:08:00 AM
- [LEGAL: Houston County Board minutes](#)  
3/5/2013 3:33:00 AM  
PROCEEDINGS OF THE BOARD OF COUNTY COMMISSIONERS Date: Tuesday, February 19, 2013, at 9:00 a.m.  
[Frac sand route to go through downtown Spring Grove](#)  
2/26/2013 7:21:00 AM  
A Fillmore County frac sand mine could be sending hundreds of trucks through downtown Spring Grove, Houston County commissioners were told last week. "The reason we're bringing

this to you is because it's going to have an effect on residents in Houston County," environmental director Rick Frank told the board on Feb. 19.

[Much work ahead for county](#)

2/20/2013 7:06:00 AM

Houston County Board of Commissioners are on the verge of extending the moratorium on new mining permits that they voted for nearly a year ago. The reason - a new industrial mining ordinance is not yet ready.

- [Board restores its per diems](#)

2/20/2013 6:49:00 AM

On Feb. 12, Houston County commissioners voted to restore certain per diem payments for themselves. The words, "Per diems will also be paid for meetings and events, which pertain to and are directly related to county business," were struck from county policy on Jan. 8.

- [LETTER: What has the Frac Sand Study Committee accomplished?](#)

2/20/2013 4:53:00 AM

- [Canton Township purchases plow truck](#)

2/6/2013 4:30:00 AM

The Canton Township Board approved the purchase of a new plow truck at its meeting last Wednesday evening.

- [Frac sand meeting announced](#)

2/5/2013 5:22:00 AM

For Houston County commissioners, Jan. 29 was a day for making plans. The board decided in February by consensus to schedule workshops on strategic planning, goals and board policies for themselves, although dates and times were not set in stone.

- [LETTER: Frac sand, but at what price?](#)

2/5/2013 4:07:00 AM

As a concerned citizen, I am writing to share what I have learned about hydraulic fracturing (fracking) and its implications for the environment. Wisconsin and Minnesota are rich in the resources of silica sand used in this process.

- [Planning board members re-appointed, inmates getting email](#)

1/22/2013 4:58:00 AM

Following a plea from county staff, two members of the Planning Commission whose terms expired at the end of the year were reappointed last week for another three-year term. "These two members have been on that Planning Commission for a number of years," Environmental Services Director Rick Frank told commissioners on Jan. 15.

- [County's Planning Commission appointments tabled for now](#)

1/15/2013 4:46:00 AM

Houston County commissioners elected second district representative Justin Zmyewski chairman of the board on Jan. 8. District four commissioner Teresa Walter was named vice chair.

- [Informational meeting on frac-sand concerns is January 17 in Caledonia](#)

1/15/2013 4:11:00 AM

The Houston County Protectors will host a public information meeting on Thursday, Jan. 17, at the Four Seasons Community Center in Caledonia, concerning the economic impact and health risks associated with frac sand mining. The meeting will last from 7 to 9 p.m.

- [Lanesboro City Council sets up for new year](#)

1/10/2013 3:45:00 AM

At its first meeting of 2013, Lanesboro City Council inaugurated a new council member and two incumbents were sworn in by City Administrator Bobbi Vickerman. Returning to the council for another term were Mayor Steve Rahn and Tom Dybing; newly-elected Tom Smith also joined the council.

- [Aircraft in area through 31st](#)

1/8/2013 4:16:00 AM

Area residents will likely witness both a low-flying airplane and a helicopter throughout the month of January. U.S. Geological Survey (USGS) scientists plan to conduct the first comprehensive, high-resolution airborne survey to study the rock layers under a region of northeastern Iowa and southeastern Minnesota.

- [Commissioners tidy up loose ends](#)

1/2/2013 5:22:00 AM

The Houston County board took care of quite a number of year-end duties at its Dec. 26 meeting. Commissioners voted to petition the Minnesota Bureau of Water and Soil Resources for permission to begin a revision of the county's water management plan.

[Low-flying aircraft will track potential mineral, water resources throughout area](#)

1/2/2013 3:44:00 AM

Area residents will likely witness both a low-flying airplane and a helicopter throughout the month of January.