January 7, 2022

Dr. Cheryl Laskowski California Air Resources Board 1001 I Street Sacramento, CA 95812

Dear Dr. Laskowski

Thank you for the opportunity to comment on and support necessary changes to the California Air Resources Board's (CARB) Low Carbon Fuel Standard (LCFS) program. On behalf of the undersigned organizations, we submit these comments urging CARB to revise the manure and biodigester lifecycle accounting or otherwise adjust the program to avoid supporting an extractive industry that harms and negatively impacts rural communities across the United States.

Importantly, California's program does not exist in a vacuum; the incentives of the LCFS program extend well beyond the state. As organizations that work in rural Midwest communities, we have seen the effects of the LCFS in propping up unsustainable agricultural practices and place more sustainable pasture-based farms at a disadvantage. As such, we submit these comments in support of the October 27, 2021 Petition for Rulemaking to Exclude All Fuel Derived from Biomethane from Dairy and Swine Manure from the Low Carbon Fuel Standard Program (hereafter the "Petition").

The Petition

On October 27, 2021, the Association of Irritated Residents (AIR), Leadership Counsel for Justice & Accountability, Food & Water Watch, and Animal Legal Defense Fund submitted the Petition to CARB requesting revisions to the LCFS program. Specifically, the Petition made two requests:

1. Amend the LCFS to exclude all fuels derived from factory farm gas; or in the alternative

2. Reform the LCFS program to account for the full life cycle of factory farm gas emissions – including all upstream and downstream emissions from activities and inputs at dairy and pig facilities – and exclude non-additional emissions reductions that occur as a result of other factory farm gas incentives, including the Dairy Digester Research Development Program

We strongly support the requests of the Petition which outlined how the LCFS program is currently overstating the benefits of anaerobic digestion of manure. In addition to failing to account for the full life-cycle of the biomethane emissions, the Petition also explains how the current LCFS Program incentivizes expansion of factory farms creating additional environmental harms and inequities in rural communities.

The undersigned organizations agree, CARB's current system creates far more environmental problems than it resolves, entrenching an extractive industry and disproportionately affecting

disadvantaged communities. As such, we submit these comments to better highlight how decisions made in California detrimentally affect rural communities around the nation, with a focus on Wisconsin.

Proliferation of Biogas in Wisconsin

Over the past several decades, the number of CAFOs in Wisconsin has risen dramatically. In 1995, there were 13 permitted CAFOs in the state.¹ However, Wisconsin is now home to over 320 CAFOs. Conversely, Wisconsin reported the highest of farm closures in the United States in 2020, with 69 filed bankruptcies.² This proliferation of factory farms can, in part, be attributed to economic systems and incentives that have arisen in recent years that further prop up this extractive industry and allow factory farms to avoid the environmental, public health, and societal costs of their pollution.

In Wisconsin, CAFOs are not evenly distributed geographically. As factory farms have grown and herds have consolidated, we have seen hot spots of nutrient production, application, and contamination in communities around the state.

Currently, three Wisconsin CAFOs participate in the LCFS program: Maple Leaf Farms, Dairy Dreams, and Pagel's Ponderosa. A fourth CAFO, Statz Farms, has recently applied for certification to participate in the LCFS Tier 2 Pathway as well.³ Collectively, these farms house over 41,214 animal units (AUs) and generate over 275 million gallons of liquid manure annually.⁴ That number rose over the past 5 years, the term length of Wisconsin's wastewater discharge permits, as both Pagel's Ponderosa and Maple Leaf Farms have increased their herd size. Recently, Pagel's Ponderosa also purchased a nearby CAFO, adding over 1,300 AUs to its operation and nutrient management plan.

In 2020, Socially Responsible Agriculture Project (SRAP) identified 15 additional CAFOs with biodigesters that participate in CARB offset markets. Since joining the CARB markets, the 15 factory farms that SRAP identified increased their herd sizes over 23,000 additional animal units and producing well over 100 million gallons of waste per year.⁵ That additional waste still must be spread on cropland around the state. These expansions can, at least in part, be attributed to the economic incentives created by CARB. Further, these CARB related expansions exemplify how monetizing manure is encouraging farms to produce more of it.

¹ Zach Raff, CAFOs and surface water quality: Evidence from the proliferation of large farms in Wisconsin (April 29, 2019) (available at:

https://www.researchgate.net/publication/333128758 CAFOs and Surface Water Quality Evidence from the Pr oliferation_of_Large_Farms_in_Wisconsin/download)

² See John Newton & Gwen Battram, Farm Bankruptcies During 2020, Filings Drop 7% During 2020, Not Out of the Woods Yet, American Farm Bureau (Feb. 1, 2021) (available at: <u>https://www.fb.org/market-intel/farm-bankruptcies-during-2020</u>).

³ California Air Resources Board, Tier 2 Pathway Application No. B0207, U.S. Venture, Inc. (5504); Wisconsin (Dec. 6, 2021) (available at: <u>https://ww2.arb.ca.gov/resources/documents/lcfs-pathways-requiring-public-comments?utm_medium=email&utm_source=govdelivery</u>).

⁴ Dairy Dreams: 5386; Pagel's Ponderosa: 10,744 plus an additional 1,310 from the 2021 purchase of Legend Farms (expansion); Maple Leaf: 15,043; Statz: 8,731

Across the United States, shifting economies and external incentives are driving factory farms toward models that prioritize manure production over milk or other essential agriculture products. With that in mind, it is certainly possible that farms may begin making decisions not based on crop yield or gallons of milk produced, but on the amount of manure they can produce. Industry publications have already identified these incentives and previewed a potential shift noting: "The net effect will be that dairy farms with methane digesters and other green energy technologies will make decisions based more on returns from energy than returns from milk."⁶ Encouraging farm consolidation and farm growth focused on maximizing manure production will exacerbate nutrient contamination in our communities and continue to displace Wisconsin's pasture-based dairy farms with more and larger CAFOs. Further, should these incentives continue without adequate calculation of life-cycle emissions, it is unlikely that there will be any actual methane emissions reductions.⁷

Continued Groundwater Contamination

After methane has been extracted from manure, factory farm operators are left with huge quantities of waste that must be disposed of. In Wisconsin, the most common disposal method is spreading manure on cropland as fertilizer. Nitrogen is often the nutrient that drives manure spreading on the state. An average milking cow produces about 1 lb per day of nitrogen in its urine and feces.⁸ Between 20% and 40% of the excreted nitrogen will end up in the atmosphere, the remainder is land applied.⁹ A dairy with 1,000 milking cows has about 300,000 to 400,000 lbs of fertilizer nitrogen available for land application via manure or digestate.¹⁰ As herd sizes and manure volumes increase across the state, nutrient application intensifies on land surrounding the CAFOs, and runoff and leaching contaminate waterways and groundwater.

Biodigesters are not a solution to limiting nutrient transport to water. They are expensive to construct and rarely, if ever, operate at optimum levels.¹¹ Moreover, even under optimal conditions, anaerobic digestion does not remove nitrogen from the manure,¹² and may in fact pose

⁶ Michael McCully, Energy revenue could be a game changer for dairy farms, Hoard's Dairyman (Sept. 13, 2021) (available at: <u>https://hoards.com/article-30925-energy-revenue-could-be-a-game-changer-for-dairy-farms.html</u>)

⁷ Michael A. Holly et al., Greenhouse gas and ammonia emissions from digested and separated dairy manure during storage and after land application, Agriculture, 239 ECOSYSTEMS AND ENV'T 410, 418 (Feb. 15, 2017), (available at: <u>https://doi.org/10.1016/j.agee.2017.02.007</u>).

⁸ University of California – Davis, Addressing Nitrate in California's Drinking Water: Questions and Answers (available at: <u>http://groundwaternitrate.ucdavis.edu/q-and-a/</u>).

⁹ Id. ¹⁰ Id.

¹¹ Tucker R. Burch, Susan K. Spencer, Spencer S. Borchardt, Rebecca A. Larson, Mark A. Borchardt, Fate of Manure-Borne Pathogens during Anaerobic Digestion and Solids Separation, Journal of Environmental Quality, Vol. 47, Iss. 2 (Mar. 1, 2018) (available at:

https://acsess.onlinelibrary.wiley.com/doi/full/10.2134/jeq2017.07.0285).

¹² See e.g., See Food and Water Watch, Hard to Digest: Greenwashing Manure into Renewable Energy, (Nov. 2016) (available at: <u>https://foodandwaterwatch.org/wp-content/uploads/2021/03/ib_1611_manure-digesters-web.pdf</u>); Scott Gordon, What Manure Digesters Can And Can't Do: Pollution Control And Energy Promises Come With Limits, WisContext (Nov. 30, 2016) (available at: <u>https://www.wiscontext.org/what-manure-digesters-can-and-cant-do</u>)

an elevated risk of nitrate contamination.¹³ With so much variability, nutrient management plans may not adequately account for nutrients applied to fields, increasing the risk of contamination of water resources. Nonetheless, CAFOs across Wisconsin are digesting massive quantities of manure and touting the environmental benefits¹⁴ of spreading digestate on fields, all while continuing to contribute to nitrate contamination in the state.

In Wisconsin, nitrate is the most widespread groundwater contaminant. Nitrate contamination is increasing in extent and severity across the state annually.¹⁵ More than 90% of the nitrate contaminating private drinking water wells in Wisconsin comes from agricultural sources. While an estimated 8 to 10% of Wisconsin private wells exceed nitrate levels of 10 ppm, that number is estimated to increase to around 20 to 30% in predominantly agricultural areas.¹⁶

Many of the CAFOs participating in CARB programs are located in areas of the state with sensitive karst or sandy soils where many drinking water wells test above drinking water standards for nitrate. The Environmental Working Group (EWG) recently modeled manure and fertilizer application in sensitive areas of the state and found that, in the many regions, nutrients applied via manure and fertilizer already likely exceed the available agricultural fields' crop nutrient needs.¹⁷ Similarly, in a recent rulemaking effort, the Wisconsin Department of Natural Resources mapped areas of the state that are susceptible to groundwater contamination.¹⁸

¹³ Food & Water Watch, How A California Climate Program Rewards Mega-Polluting Factory Farms Nationwide, (Oct. 28, 2021) (available at: <u>https://www.foodandwaterwatch.org/2021/10/28/how-a-california-climate-program-rewards-mega-polluting-factory-farms-nationwide/</u>).

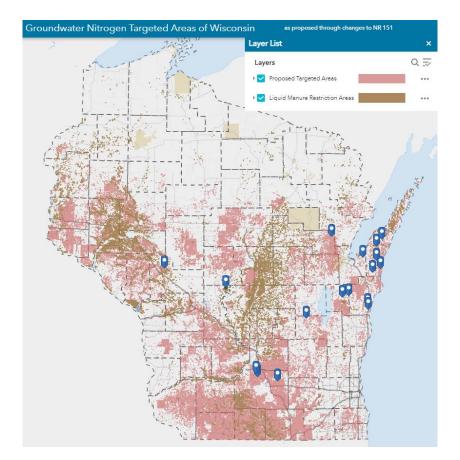
¹⁴ Lynn Grooms, Dairies Can Lead Way to Future, Agri-View (Jul 16, 2020) (available at: <u>https://www.agupdate.com/agriview/news/business/dairies-can-lead-way-to-future/article_ee36ffe1-096f-55b7-a9aa-bcaf1c5a6623.html</u>).

¹⁵ See Wisconsin Groundwater Coordinating Council, Report to the Legislature, Fiscal Year 2020, at 100, <u>https://dnr.wi.gov/topic/groundwater/documents/GCC/Report/FullReport.pdf</u>.

¹⁶ Importantly, testing of private wells is optional, and even if nitrates are detected, it is up to the owner to purchase expensive filtration systems capable of removing nitrates from the water. As such, there is limited incentive to test and we must rely on contamination estimates.

¹⁷ See Environmental Work Group maps, available at <u>https://www.ewg.org/interactive-maps/2021-wisconsin-afo/map/manuremap.php</u>

¹⁸ Wisconsin Dept. of Nat. Resources, NR 151 Rule Changes for Nitrate, (available at: <u>https://dnr.wisconsin.gov/topic/nonpoint/nr151nitrate.html</u>).



The data is clear, the soil across much of the state where CARB participating CAFOs exist is sensitive to groundwater contamination. The land is inundated with excessive nutrients like nitrogen, and there is minimal incentive to reduce manure production or application. Instead, many CAFOs are incentivized to continue expanding, leading to likely overapplication.

This overapplication of manure and digestate threatens public health and water resources in Wisconsin. Excessive nitrate exposure primarily affects young children. The most well-known health hazard resulting from excessive nitrates is methemoglobinemia, or "blue baby syndrome." Nitrates also pose a risk to pregnant women, with studies linking exposure to premature births and intrauterine growth restriction.¹⁹ Outside of those vulnerable groups, nitrate exposure increases the risk of thyroid disease and colorectal cancer. A recent study found that nitrate contamination in drinking water could cost Wisconsin residents up to \$80 million annually in medical expenses.²⁰ Under the current system, the costs and risks posed by excessive nitrates are borne by Wisconsin families tasked with providing safe and clean drinking water for their household. These burdens

¹⁹ See, Wisconsin Dept. of Health Services, Nitrate in Private Wells, (available at:

<u>https://www.dhs.wisconsin.gov/water/nitrate.htm</u>); Manassaram, D., Backer, L., Moll, D., A review of nitrates in drinking water: maternal exposure and adverse reproductive and developmental outcomes, Environmental Health Perspective (2006).

²⁰ Mathewson, P.D., Evans, S., Byrnes, T., Joos, A., & Naidenko, O.V. Health and economic impact of nitrate pollution in drinking water: a Wisconsin case study. Environmental Monitoring Assessment 192, 724 (2020).

are not borne by the CAFOs, the state of California, or by the transportation fuel producers who purchase the LCFS credits.

Environmental Justice Issues Associated with Biogas

Factory farm systems, and biodigesters specifically, raise significant environmental justice concerns for rural communities. One recent study noted:

Critics...have argued that carbon markets are inherently inequitable, lock out most farmers, and could lead to more pollution, particularly in disadvantaged communities. In short, the public is footing the bill for manure digesters, whereas the CAFO industry profits by offsetting operation costs, selling the energy to utilities, and selling their claimed air pollution reductions to other polluters.²¹

The issues associated with biodigesters touch every aspect of rural life, often detrimentally affecting public health, safety, welfare, local economies, and participating farmers. Exacerbating these problems is the realization that CAFOs are disproportionately located in low-income communities where many residents do not have the capability to move away or remediate environmental harms on their own.²²

CARB policies to invalidate credits based on non-compliance and investigate facilities do not address the environmental injustices associated with the program and may, in fact, exacerbate inequity in rural communities. For example, when CAFOs have regulatory compliance issues their credits are invalidated. In recent years, we have seen instances of CARB invalidating credits for Wisconsin CAFOs.²³ However, there are a number of deficiencies with this process. First, when credits are invalidated, the invalidation is only for the days that the noncompliance occurred. Second, the total cost of invalidation is often not commensurate with the magnitude of harm caused. For example, a CAFO's noncompliance can create environmental harms like fish kills, toxic algal blooms, or contaminated water supplies that endure far longer than the specific date of noncompliance. In those instances, the CAFO is being compensated for the biogas produced while the community is left trying to resolve the contamination. Finally, CARB is not actively engaged in other state's enforcement processes, and there is noncompliance that likely goes unaddressed. Wisconsin maintains a database that tracks contaminated properties, spills, cleanup, and redevelopment activities,²⁴ and the undersigned organizations also receive CAFO enforcement

09/Final Determination Central Sands Dairy Offset Investigation.pdf).

²¹ Phoebe Gittelson, Danielle Diamond, Lynn Henning, Maria Payan, Lynn Utesch, & Nancy Utesch, The False Promises of Biogas: Why Biogas Is an Environmental Justice Issue, Environmental Justice Vol. 0 (May 2021) (available at: https://www.liebertpub.com/doi/epdf/10.1089/env.2021.0025) ²² See id.

²³ See e.g., CARB, Final Determination: California Air Resources Board Compliance, Livestock Methane Reduction Offset Investigation (May 26, 2021) (available at: https://ww2.arb.ca.gov/sites/default/files/2021-05/nc-Final Determination Dairyland Farm Offset Investigation.pdf); CARB, Final Determination: California Air

Resources Board Compliance, Livestock Methane Reduction Offset Investigation (Sept. 2020) (available at: https://ww2.arb.ca.gov/sites/default/files/2020-

²⁴ See e.g., Wisconsin Dept. of Nat. Resources, Bureau for Remediation and Redevelopment Tracking System (BRRTS) On the Web (available at: https://dnr.wisconsin.gov/topic/Brownfields/botw.html).

data from the Wisconsin Department of Natural Resources. Reviewing these sources, there is noncompliance shown that has not prompted CARB investigations.²⁵

Ultimately, the current LCFS does not adequately take into account the inequities caused by its operation, and, as a result, CARB should revise the regulations to better account for all externalities, environmental and social.

Conclusion

CARB's administration of the LCFS program is causing environmental and public health harms not just in California, but to pasture-based farms, communities and ecosystems across the United States by incentivizing and rewarding destructive CAFO practices. As CARB considers revising the LCFS program, decisions should be deliberately made with a holistic understanding of their consequences. For the reasons stated above, we strongly support the October 27, 2021 Petition and encourage CARB to revise and reform the LCFS program.

Respectfully Submitted,

Adam Voskuil Midwest Environmental Advocates, Inc.

Forest Jahnke Crawford Stewardship Project Lynn Henning Socially Responsible Agriculture Project

²⁵ See e.g., Wisconsin Dept. of Nat. Resources, compiled BRRTS search results for CARB participating CAFOs & Wisconsin Dept. of Nat. Resources, CAFO Enforcement Spreadsheet excerpts (Exhibit A).

Exhibit A





☆ >> SEARCH >> RESULTS

The results of your search below may not represent a complete list of all Locations and Activities in the State of Wisconsin with environmental contamination. There are locations that DNR has some information but no confirmation of a discharge to the environment. These potentially contaminated sites do not appear on BRRTS on the Web until contamination has been confirmed. In addition, the DNR may be unaware of contamination at some properties.

SEARCH RESULTS: 1 ACTIVITY FOUND

HELP DOWNI OAD Searched for: Name Contains CENTRAL SANDS DAIRY, Sorted by BRRTS No. BRRTS No. & Activity Name (Click to open Activity Details) Address, Municipality, County, Region Status Start Date End Date Туре Juris 04-29-581741 CENTRAL SANDS DAIRY SPILL SPILL CLOSED DNR 2018-04-26 2018-06-29 N15927 CTH G, ARMENIA JUNEAU WC

BRRTS data comes from various sources, both internal and external to DNR. There may be omissions and errors in the data and delays in updating new information.

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SEARCH RESULTS: 7 ACTIVITIES FOUND

HELP DOWNLOAD								
Searched for: Name Contains DAIRY DREAMS, Sorted by BRRTS No.								
BRRTS No. & Activity Name <i>(Click to open Activity Details)</i> Address, Municipality, County, Region	Туре	Status	Juris	Start Date	End Date			
04-15-578967 DAIRY DREAMS LLC SPILL 649 CTH D, BRUSSELS DOOR NE	SPILL	CLOSED	DNR	2016-12-05	2017-03-01			
04-15-581921 DAIRY DREAMS DAIRY LLC SPILL CTH Y - S OF CTH D, UNION TN DOOR NE	SPILL	CLOSED	DNR	2018-07-26	2018-08-03			
04-15-585432 DAIRY DREAMS LLC SPILL RABBIT RD & KOLBERG RD, BRUSSELS DOOR NE	SPILL	CLOSED	DNR	2019-12-22	2020-03-13			
04-31-551304 DAIRY DREAM LLC SPILL E3576 CARDINAL RD, LINCOLN KEWAUNEE NE	SPILL	CLOSED	DNR	2008-03-14	2008-03-24			
04-31-557717 DAIRY DREAMS SPILL E3576 CARDINAL RD, LINCOLN KEWAUNEE NE	SPILL	CLOSED	DNR	2011-06-19	2011-06-24			
04-31-578709 DAIRY DREAMS FARMS SPILL E3576 CARDINAL RD, LINCOLN KEWAUNEE NE	SPILL	CLOSED	DNR	2016-09-12	2017-01-25			
04-31-583081 DAIRY DREAMS LLC SPILL E3512 CARDNIAL RD, LINCOLN KEWAUNEE NE	SPILL	CLOSED	DNR	2018-12-18	2019-02-05			

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SEARCH RESULTS: 3 ACTIVITIES FOUND

HELP	DOWNLOA	D						
Searched for: Name Contains DAIRYLAND FARM, Sorted by BRRTS No.								
BRRTS No. & Activity Name <i>(Click to open Activity Details)</i> Address, Municipality, County, Region	Туре	Status	Juris	Start Date	End Date			
04-05-582904 DAIRYLAND FARM LLC SPILL 5420 GAUTHIER RD, GREEN BAY BROWN NE	SPILL	CLOSED	DNR	2018-10-22	2019-01-04			
04-05-586555 DAIRYLAND FARM SPILL STH 54 & MERCIER RD, GREEN BAY BROWN NE	SPILL	CLOSED	DNR	2020-09-23	2020-10-01			
04-31-577329 DAIRYLAND FARM LLC SPILL E1420 NORTHBROOK RD, LUXEMBURG KEWAUNEE NE	SPILL	CLOSED	DATCP	2016-05-18	2016-06-16			

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SEARCH RESULTS: 2 ACTIVITIES FOUND

HELP	DOWNLOA	D			
Searched for: Name Contains DALLMAN, Sorted by BRRTS No.					
BRRTS No. & Activity Name <i>(Click to open Activity Details)</i> Address, Municipality, County, Region	Туре	Status	Juris	Start Date	End Date
04-08-559622 DALLMAN EAST RIVER DAIRY LLC SPILL N6038 E RIVER RD, RANTOUL/ BRILLION CALUMET NE	SPILL	CLOSED	DNR	2012-11-14	2012-11-28
04-36-559427 GRUETTS INC SPILL BOXWOOD RD BWN OAKWOOD RD & CO, ROCKLAND MANITOWOC NE	SPILL	CLOSED	DNR	2012-09-26	2012-10-02

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SEARCH RESULTS: 3 ACTIVITIES FOUND

HELP	DOWNLOA	D						
Searched for: Name Contains DEER RUN DAIRY, Sorted by BRRTS No.								
BRRTS No. & Activity Name <i>(Click to open Activity Details)</i> Address, Municipality, County, Region	Туре	Status	Juris	Start Date	End Date			
04-31-563199 DEER RUN DAIRY SPILL N1225 SLEEPY HOLLOW RD, FRANKLIN KEWAUNEE NE	SPILL	CLOSED	DNR	2014-11-26	2015-01-22			
04-31-576113 DEER RUN DAIRY SPILL MANITOWOC RD, FRANKLIN KEWAUNEE NE	SPILL	CLOSED	DNR	2015-09-16	2015-10-02			
04-31-580392 DEER RUN DAIRY LLC SPILL KNUTSON RD & CTH KB, FRANKLIN KEWAUNEE NE	SPILL	CLOSED	DNR	2017-07-05	2017-10-24			

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SEARCH RESULTS: 7 ACTIVITIES FOUND

HELP DOWNLOAD								
Searched for: Name Contains GREEN VALLEY DAIRY, Sorted by BRRTS No.								
BRRTS No. & Activity Name <i>(Click to open Activity Details)</i> Address, Municipality, County, Region	Туре	Status	Juris	Start Date	End Date			
04-05-563462 GREEN VALLEY DAIRY LLC SPILL STH 32 & KUNESH RD, PITTSFIELD BROWN NE	SPILL	CLOSED	DNR	2014-12-20	2015-03-24			
04-43-582896 GREEN VALLEY DAIRY SPILL CTH E, MORGAN OCONTO NE	SPILL	CLOSED	DNR	2018-10-26	2019-01-03			
04-59-544096 GREEN VALLEY DAIRY LLC N5365 HINTZ RD, KRAKOW SHAWANO NE	SPILL	CLOSED	DNR	2004-04-28	2004-04-28			
04-59-544097 GREEN VALLEY DAIRY LLC N5365 HINTZ RD, KRAKOW SHAWANO NE	SPILL	CLOSED	DNR	2004-04-29	2004-04-29			
04-59-557860 GREEN VALLEY DAIRY SPILL N5365 HINTZ RD, KRAKOW SHAWANO NE	SPILL	CLOSED	DNR	2011-07-02	2011-07-06			
04-59-560531 GREEN VALLEY DAIRY SPILL N5365 HINTZ RD, KRAKOW SHAWANO NE	SPILL	CLOSED	DNR	2013-05-13	2013-05-29			
04-59-560725 GREEN VALLEY DAIRY SPILL SHAWANO LN & FARMES RD, GREEN VALLEY SHAWANO NE	SPILL	CLOSED	DNR	2013-07-15	2013-07-23			

BRRTS data comes from various sources, both internal and external to DNR. There may be omissions and errors in the data and delays in updating new information.

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SEARCH RESULTS: 5 ACTIVITIES FOUND

HELP	DOWNLOA	D							
Searched for: Name Contains GROTEGUT DAIRY, Sorted by BRRTS No.									
BRRTS No. & Activity Name <i>(Click to open Activity Details)</i> Address, Municipality, County, Region	Туре	Status	Juris	Start Date	End Date				
04-36-559605 GROTEGUT DAIRY FARM SPILL 7717 CTH F/ WESTVIEW RD, NEWTON MANITOWOC NE	SPILL	CLOSED	DNR	2012-11-02	2012-11-19				
04-36-576061 GROTEGUT DAIRY FARM INC SPILL GRASS LAKE RD, NEWTON MANITOWOC NE	SPILL	CLOSED	DNR	2015-08-21	2015-09-22				
04-36-578961 GROTEGUT DAIRY FARM INC SPILL CTH F, CENTERVILLE MANITOWOC NE	SPILL	CLOSED	DNR	2016-12-02	2017-03-01				
04-36-580765 GROTEGUT DAIRY FARM INC SPILL NEWTON RD & S UNION RD, NEWTON TN MANITOWOC NE	SPILL	CLOSED	DNR	2017-11-24	2017-12-21				
04-36-582665 GROTEGUT DAIRY FARM SPILL CTH F & WESTVIEW RD, NEWTON MANITOWOC NE	SPILL	CLOSED	DNR	2018-10-23	2018-11-26				

BRRTS data comes from various sources, both internal and external to DNR. There may be omissions and errors in the data and delays in updating new information.

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SEARCH RESULTS: 7 ACTIVITIES FOUND

HELP	DOWNLOA	D					
Searched for: Name Contains HELLER FARM, Sorted by BRRTS No.							
BRRTS No. & Activity Name <i>(Click to open Activity Details)</i> Address, Municipality, County, Region	Туре	Status	Juris	Start Date	End Date		
04-10-559165 HELLER FARM INC SPILL N2994 STH 12, HUMBIRD CLARK WC	SPILL	CLOSED	DATCP	2012-05-24	2012-08-15		
04-27-543690 HELLER FARMS INC CTH F JUST N OF SAND RD, ALMA CENTER JACKSON WC	SPILL	CLOSED	DNR	2004-11-12	2004-11-18		
04-27-552273 HELLER FARMS SPILL CTH F, ALMA JACKSON WC	SPILL	CLOSED	DNR	2008-07-25	2008-09-08		
04-27-561573 BLAKE HELLER SPILL W12465 STH 95, GARDEN VALLEY JACKSON WC	SPILL	CLOSED	DNR	2013-10-22	2014-01-17		
04-27-581999 HELLER FARMS SPILL W12465 STH 95, GARDEN VALLEY JACKSON WC	SPILL	CLOSED	DNR	2018-08-09	2018-08-14		
04-27-582283 HELLER FARM SPILL W12465 STH 95, GARDEN VALLEY JACKSON WC	SPILL	CLOSED	DNR	2018-09-23	2018-09-24		
04-27-583024 HELLER FARMS INC SPILL W12465 STH 95, GARDEN VALLEY JACKSON WC	SPILL	CLOSED	DNR	2019-01-13	2019-01-25		

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>> SEARCH >> RESULTS

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SEARCH RESULTS: 9 ACTIVITIES FOUND

HELP DOWNLOAD								
Searched for: Name Contains HOLSUM DAIRIES, Sorted by BRRTS No.								
BRRTS No. & Activity Name <i>(Click to open Activity Details)</i> Address, Municipality, County, Region	Туре	Status	Juris	Start Date	End Date			
04-08-550868 HOLSUM DAIRIES LLC SPILL N5701 IRISH RD, RANTOUL CALUMET NE	SPILL	CLOSED	DNR	2007-12-20	2008-01-16			
04-08-551863 HOLSUM DAIRIES SPILL N6206 ELM RD, CHILTON CALUMET NE	SPILL	CLOSED	DNR	2008-06-24	2008-07-02			
04-08-557856 HOLSUM DAIRIES LLC SPILL SCHNEIDER RD, CHILTON CALUMET NE	SPILL	CLOSED	DNR	2011-06-06	2011-06-10			
04-08-557857 HOLSUM DAIRIES LLC SPILL N5701 IRISH RD, RANTOUL CALUMET NE	SPILL	CLOSED	DNR	2011-06-09	2011-06-13			
04-08-558296 HOLSUM DAIRIES LLC SPILL N6206 ELM RD, CHILTON CALUMET NE	SPILL	CLOSED	DNR	2011-07-07	2011-07-08			
04-08-559560 HOLSUM DAIRIES SPILL CTH BB & STH 114, WOODVILLE/ HILBERT CALUMET NE	SPILL	CLOSED	DNR	2012-11-02	2012-11-05			
04-08-560158 HOLSUM ELM DAIRY SPILL N6206 ELM RD, CHILTON CALUMET NE	SPILL	CLOSED	DNR	2013-02-19	2013-03-08			
04-08-562907 HOLSUM DAIRIES SPILL W3913 CTH E, CHILTON CALUMET NE	SPILL	CLOSED	DNR	2014-11-05	2014-12-01			
04-08-584455 HOLSUM DAIRIES LLC SPILL STH 55 & FARO SPRINGS RD, STOCKBRIDGE CALUMET NE	SPILL	CLOSED	DNR	2019-08-28	2019-10-04			

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SEARCH RESULTS: 7 ACTIVITIES FOUND

HELP DOWNLOAD								
Searched for: Name Contains MAPLE LEAF DAIRY, Sorted by BRRTS No.								
BRRTS No. & Activity Name <i>(Click to open Activity Details)</i> Address, Municipality, County, Region	Туре	Status	Juris	Start Date	End Date			
04-36-384655 MAPLE LEAF DAIRY CTH X & CENTER RD, CLEVELAND MANITOWOC NE	SPILL	CLOSED	DNR	1998-06-12	1998-06-14			
04-36-554592 MAPLE LEAF DAIRY SPILL 7920 CTH X, CENTERVILLE MANITOWOC NE	SPILL	CLOSED	DNR	2009-11-24	2009-12-16			
04-36-560587 MAPLE LEAF DAIRY SPILL 143, NEWTON MANITOWOC NE	SPILL	CLOSED	DNR	2013-05-30	2013-06-11			
04-36-576431 MAPLE LEAF DAIRY SPILL CTH F, NEWTON MANITOWOC NE	SPILL	CLOSED	DNR	2015-11-15	2015-11-20			
04-36-585275 MAPLE LEAF DAIRY SPILL CTH X & STH 42, MEEME MANITOWOC NE	SPILL	CLOSED	DNR	2019-11-06	2020-02-11			
04-36-586920 MAPLE LEAF DAIRY SPILL S CUSTER ST & ENGLISH LAKE RD, NEWTON MANITOWOC NE	SPILL	CLOSED	DNR	2020-11-19	2020-12-04			
04-60-555004 MAPLE LEAF DAIRY INC SPILL DAIRYLAND DR - FIELD BIT-1A, MOSEL SHEBOYGAN SE	SPILL	CLOSED	DNR	2009-09-17	2009-10-30			

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SEARCH RESULTS: 17 ACTIVITIES FOUND

HELP	DOWNLOA	D							
Searched for: Name Contains PAGELS PONDEROSA, Sorted by BRRTS No.									
BRRTS No. & Activity Name <i>(Click to open Activity Details)</i> Address, Municipality, County, Region	Туре	Status	Juris	Start Date	End Date				
04-05-577907 PAGELS PONDEROSA SPILL 5744 STH 29, EATON BROWN NE	SPILL	CLOSED	DNR	2016-06-28	2016-09-08				
04-31-552761 PAGELS PONDEROSA SPILL N3188 CHURCH RD, WEST KEWAUNEE KEWAUNEE NE	SPILL	CLOSED	DNR	2008-10-12	2008-10-20				
04-31-556388 PAGELS PONDEROSA DAIRY SPILL BIRCHWOOD RD, WEST KEWAUNEE KEWAUNEE NE	SPILL	CLOSED	DNR	2010-10-15	2010-10-25				
04-31-559468 PAGELS PONDEROSA FARM SPILL TOWN HALL RD, CARLTON KEWAUNEE NE	SPILL	CLOSED	DNR	2012-10-04	2012-10-16				
04-31-562269 PAGELS PONDEROSA & DAIRY SPILL CTH F & BIRCHWOOD RD, WEST KEWAUNEE KEWAUNEE NE	SPILL	CLOSED	DNR	2014-05-29	2014-07-08				
04-31-562747 PAGELS PONDEROSA DAIRY SPILL STH 54 & CTH D, AHNAPEE KEWAUNEE NE	SPILL	CLOSED	DNR	2014-07-31	2014-10-21				
04-31-562950 PAGELS PONDEROSA DAIRY SPILL CTH B, WEST KEWAUNEE KEWAUNEE NE	SPILL	CLOSED	DNR	2014-11-14	2014-12-12				
04-31-563156 PAGELS PONDEROSA DAIRY SPILL CTH B, WEST KEWAUNEE KEWAUNEE NE	SPILL	CLOSED	DNR	2014-12-18	2015-01-14				
04-31-576505 PAGELS PONDEROSA DAIRY SPILL WASHINGTON RD & CARNOT DR, AHNAPEE KEWAUNEE NE	SPILL	CLOSED	DNR	2015-11-03	2015-12-09				
04-31-576530 PAGELS PONDEROSA DAIRY SPILL CEDAR VALLEY RD, CASCO KEWAUNEE NE	SPILL	CLOSED	DNR	2015-11-09	2015-12-17				
04-31-579078 PAGELS PONDEROSA SPILL									

STH 29 & CTH B, WEST KEWAUNEE KEWAUNEE NE	SPILL	CLOSED	DNR	2016-10-12	2017-03-15
04-31-579873 PAGELS PONDEROSA DAIRY SPILL CTH S & CTH P, LINCOLN KEWAUNEE NE	SPILL	CLOSED	DNR	2017-06-05	2017-08-01
04-31-579924 PAGELS PONDEROSA DAIRY SPILL E4798 CHURCH RD, CASCO KEWAUNEE NE	SPILL	CLOSED	DNR	2017-08-02	2017-08-03
04-31-580763 PAGELS PONDEROSA DAIRY SPILL CTH B & CTH F, WEST KEWAUNEE KEWAUNEE NE	SPILL	CLOSED	DNR	2017-10-30	2017-12-21
04-31-581916 PAGELS PONDEROSA DAIRY SPILL 5TH RD & MEADOW RD, PIERCE KEWAUNEE NE	SPILL	CLOSED	DNR	2018-08-01	2018-08-03
04-31-582333 PAGELS PONDEROSA DAIRY SPILL N5287 CTH E, CASCO KEWAUNEE NE	SPILL	CLOSED	DNR	2018-09-19	2018-10-05
04-31-588500 PAGELS PONDEROSA DAIRY SPILL STH 42 & CTH J, CARLTON KEWAUNEE NE	SPILL	CLOSED	DNR	2021-06-01	2021-10-04

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SEARCH RESULTS: 1 ACTIVITY FOUND

HELP	DOWNLOAD					
Searched for: Name Contains PAGEL'S, Sorted by BRRTS No.						
BRRTS No. & Activity Name <i>(Click to open Activity Details)</i> Address, Municipality, County, Region	Туре	Status	Juris	Start Date	End Date	
04-31-586229 PAGEL'S PONDEROSA DAIRY SPILL N4893 CTH C, WEST KEWAUNEE KEWAUNEE NE	SPILL	CLOSED	DNR	2020-06-06	2020-08-07	

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SEARCH RESULTS: 1 ACTIVITY FOUND

HELP DOWNLOAD Searched for: Name Contains RIPPS DAIRY, Sorted by BRRTS No. BRRTS No. & Activity Name (Click to open Activity Details) Address, Municipality, County, Region Status Start Date End Date Туре Juris 04-13-549002 RIPPS DAIRY VALLEY, LLC SPILL SPILL CLOSED DNR 2007-02-24 2007-03-19 6626 RIPP DR. DANE DANE SC

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SEARCH RESULTS: 3 ACTIVITIES FOUND

HELP	DOWNLOA	D			
Searched for: Name Contains ROSENDALE DAIRY, Sorted by BRRTS No.					
BRRTS No. & Activity Name (Click to open Activity Details) Address, Municipality, County, Region	Туре	Status	Juris	Start Date	End Date
04-20-554581 ROSENDALE DAIRY SPILL CTH M, ROSENDALE FOND DU LAC NE	SPILL	CLOSED	DNR	2009-11-13	2009-11-16
04-20-580759 ROSENDALE DAIRY LLC SPILL CENTER RD & CLUBHOUSE DR, ROSENDALE FOND DU LAC NE	SPILL	CLOSED	DNR	2017-10-20	2017-12-20
04-71-578338 ROSENDALE DAIRY SPILL DELLHI RD & CTH E, RUSHFORD WINNEBAGO NE	SPILL	CLOSED	DNR	2016-10-09	2016-11-08

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SEARCH RESULTS: 1 ACTIVITY FOUND

HELP DOWNI OAD Searched for: Name Contains S AND S JERSEYLAND, Sorted by BRRTS No. BRRTS No. & Activity Name (Click to open Activity Details) Address, Municipality, County, Region Status Start Date End Date Туре Juris 04-15-579557 S AND S JERSEYLAND DAIRY SPILL SPILL CLOSED DNR 2017-05-26 2017-06-14 CTH J & MARSH RD, BRUSSELS DOOR NE

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SEARCH RESULTS: 3 ACTIVITIES FOUND

HELP	DOWNLOA	D			
Searched for: Name Contains STATZ BROTHERS, Sorted by BRRTS No.					
BRRTS No. & Activity Name <i>(Click to open Activity Details)</i> Address, Municipality, County, Region	Туре	Status	Juris	Start Date	End Date
04-13-582692 STATZ BROTHERS INC SPILL TWIN LANE RD & CTH TT, MEDINA DANE SC	SPILL	CLOSED	DNR	2018-11-17	2018-11-27
04-13-582841 STATZ BROTHERS, INC SPILL CTH TT & CANAL RD, MEDINA DANE SC	SPILL	CLOSED	DNR	2018-11-26	2018-12-20
09-13-293737 STATZ BROTHERS INC 2108 STH 19, SUN PRAIRIE DANE SC	NAR		DNR	1998-10-15	1998-10-15

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SEARCH RESULTS: 10 ACTIVITIES FOUND

HELP DOWNLOAD					
Searched for: Name Contains WAKKER DAIRY, Sorted by BRRTS No.					
BRRTS No. & Activity Name <i>(Click to open Activity Details)</i> Address, Municipality, County, Region	Туре	Status	Juris	Start Date	End Date
04-31-282466 WAKKER, JOHANNES N2348 STH 42, CARLTON/ KEWAUNEE KEWAUNEE NE	SPILL	CLOSED	DNR	2001-04-21	2001-08-27
04-31-283098 WAKKER, JOHANNES N2348 STH 42, CARLTON/ KEWAUNEE KEWAUNEE NE	SPILL	CLOSED	DNR	2001-04-04	2001-08-27
04-31-557865 WAKKER DAIRY SPILL E4810 LAKE RD, CARLTON KEWAUNEE NE	SPILL	CLOSED	DNR	2011-07-15	2011-07-18
04-31-558948 WAKKER DAIRY FARM SPILL N2348 STH 42, CARLTON/ KEWAUNEE KEWAUNEE NE	SPILL	CLOSED	DNR	2012-04-11	2012-04-13
04-31-580789 WAKKER DAIRY FARM SPILL CTH J & TOWNHALL RD, CARLTON KEWAUNEE NE	SPILL	CLOSED	DNR	2017-11-10	2018-01-03
04-31-582996 WAKKER DAIRY FARM SPILL SANDY CREEK & STH 42, CARLTON KEWAUNEE NE	SPILL	CLOSED	DNR	2018-11-30	2019-01-17
04-31-585291 WAKKER DAIRY FARM INC SPILL LAKESHORE RD & TOWNLINE RD, WEST KEWAUNEE KEWAUNEE NE	SPILL	CLOSED	DNR	2019-11-20	2020-02-12
04-31-585379 WAKKER DAIRY SPILL STH 42 & CTH J, CARLTON KEWAUNEE NE	SPILL	CLOSED	DNR	2019-12-07	2020-03-05
04-31-585380 WAKKER DAIRY SPILL STH 42 & TOWNLINE RD, CARLTON KEWAUNEE NE	SPILL	CLOSED	DNR	2019-12-09	2020-03-05
04-31-585982 WAKKER DAIRY SPILL STH 42 & CTH J, CARLTON KEWAUNEE NE	SPILL	CLOSED	DNR	2020-04-15	2020-06-29

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FACILITY NAME

Central Sands Dairy LLC Central Sands Dairy LLC **Dairy Dreams LLC Dairy Dreams LLC** Dairy Dreams LLC WAKKER DAIRY FARM INC DAIRYLAND FARM LLC DAIRYLAND FARM LLC DAIRYLAND FARM LLC DEER RUN DAIRY LLC PAGELS PONDEROSA DAIRY **GROTEGUT DAIRY FARM INC.** Heller Farm Inc Heller Farm Inc **GROTEGUT DAIRY FARM INC.** HOLSUM DAIRIES LLC WHITE GOLD DAIRY LLC **Dairy Dreams LLC** WHITE GOLD DAIRY LLC HOLSUM DAIRIES LLC Central Sands Dairy LLC MAPLE LEAF DAIRY INC PAGELS PONDEROSA DAIRY

COUNTY

Juneau County Juneau County **Kewaunee County** Kewaunee County **Kewaunee County Kewaunee County** Brown County Brown County **Brown County Kewaunee County Kewaunee County** Manitowoc County Jackson County Jackson County Manitowoc County Calumet County Dane County **Kewaunee County** Dane County **Calumet County** Juneau County Manitowoc County **Kewaunee County**

STAFF South Centra South Centra Northeast West Central West Central Northeast Northeast South Centra Northeast South Centra Northeast South Centra Northeast Northeast Northeast Northeast Northeast Northeast Northeast Northeast Northeast

REGION

		VIOLATION
	SEV VIOLATION TYPE	DATE
al	NMP/Permit Implementation	2/24/2015
al	NMP/Permit Implementation	4/6/2015
	Production Area Runoff	8/1/2014
	NMP/Permit Implementation	11/20/2017
	NMP/Permit Implementation	1/6/2020
	NMP/Permit Implementation	2/22/2021
	Production Area Runoff	12/16/2019
	NMP/Permit Implementation	6/2/2020
	Production Area Runoff	9/2/2020
	NMP/Permit Implementation	6/23/2017
	Production Area Runoff	9/17/2018
	Production Area Runoff	10/24/2016
al	Report Submittals	3/28/2018
al	NMP/Permit Implementation	10/3/2019
	NMP/Permit Implementation	12/19/2016
	NMP/Permit Implementation	10/19/2020
al	Report Submittals	3/9/2018
	Report Submittals	2/3/2021
al	Report Submittals	8/31/2018
	NMP/Permit Implementation	11/7/2016
al	Production Area Runoff	5/15/2019
	Production Area Runoff	6/22/2015
	Production Area Runoff	10/29/2015
	Production Area Runoff	10/27/2016
	NMP/Permit Implementation	12/21/2016
	Production Area Runoff	3/23/2017
	NMP/Permit Implementation	11/28/2017
	NMP/Permit Implementation	12/4/2019
	NMP/Permit Implementation	12/4/2020
	NMP/Permit Implementation	6/1/2017

PAGELS PONDEROSA DAIRY PAGELS PONDEROSA DAIRY PAGELS PONDEROSA DAIRY DALLMANN EAST RIVER DAIRY LLC ROSENDALE DAIRY LLC S & S JERSEYLAND DAIRY LLC S & S JERSEYLAND DAIRY LLC S & S JERSEYLAND DAIRY LLC GROTEGUT DAIRY FARM INC. WAKKER DAIRY FARM INC HOLSUM DAIRIES LLC S & S JERSEYLAND DAIRY LLC Heller Farm Inc HELLER FARM INC HOLSUM DAIRIES LLC WAKKER DAIRY FARM INC Heller Farm Inc HELLER FARM INC STATZ BROTHERS INC WAKKER DAIRY FARM INC Dairy Dreams LLC HELLER FARM INC Heller Farm Inc PAGELS PONDEROSA DAIRY DEER RUN DAIRY LLC

Kewaunee County Kewaunee County Kewaunee County Calumet County Fond du Lac County Door County Door County Door County Manitowoc County **Kewaunee County Calumet County** Door County Jackson County Jackson County Calumet County Kewaunee County Jackson County Jackson County Dane County **Kewaunee County Kewaunee County** Jackson County Jackson County Kewaunee County **Kewaunee County**

Northeast West Central West Central Northeast Northeast West Central West Central South Central Northeast Northeast West Central West Central Northeast Northeast

NMP/Permit Implementation 6/23/2017 NMP/Permit Implementation 12/6/2017 NMP/Permit Implementation 12/9/2020 NMP/Permit Implementation 10/22/2015 NMP/Permit Implementation 12/8/2017 NMP/Permit Implementation NMP/Permit Implementation 10/2/2017 NMP/Permit Implementation 1/18/2018 Production Area Runoff 4/16/2015 NMP/Permit Implementation 2/20/2020 NMP/Permit Implementation 12/11/2014 NMP/Permit Implementation NMP/Permit Implementation 11/11/2014 11/11/2014 NMP/Permit Implementation 9/11/2014 **Report Submittals Production Area Runoff** 7/23/2014 NMP/Permit Implementation 4/25/2014 NMP/Permit Implementation 4/25/2014 NMP/Permit Implementation 5/29/2019 NMP/Permit Implementation 11/24/2020 NMP/Permit Implementation 11/18/2013 NMP/Permit Implementation 11/18/2013 NMP/Permit Implementation NMP/Permit Implementation 7/27/2021 **Production Area Runoff** 9/22/2021

6/1/2017

4/1/2020

1/9/2014