

May 4, 2023

Rita Bucur
Village Board President
Salem Lakes Village Board
PO Box 443
Salem, WI 53168

Bill Barhyte
Village Board Trustee
Salem Lakes Village Board
PO Box 443
Salem, WI 53168

Dennis Faber
Village Board Trustee
Salem Lakes Village Board
PO Box 443
Salem, WI 53168

Ron Gandt
Village Board Trustee
Salem Lakes Village Board
PO Box 443
Salem, WI 53168

William Hopkins
Village Board Trustee
Salem Lakes Village Board
PO Box 443
Salem, WI 53168

Kelly Sweeting
Village Board Trustee
Salem Lakes Village Board
PO Box 443
Salem, WI 53168

Jared Young
Village Board Trustee
Salem Lakes Village Board
PO Box 443
Salem, WI 53168

Dear Salem Lakes Village Board President Bucur and Salem Lakes Village Board Trustees,

As individuals and organizations dedicated to reducing deaths and injuries caused by off-highway vehicles (OHVs), we are writing to urge you to reject any proposal that would increase OHV access to the roads of Salem Lakes, Wisconsin. We hope that this information will help inform any policy decision that you make.

Allowing OHVs to use public roads suggests to the public that roadway riding is a safe and responsible use of OHVs when, in fact, industry, regulators, and consumer and public health and safety advocates all agree that OHVs are not safe on public roads. Critically, we also write to communicate the dangers of allowing children to operate OHVs. We hope that this information will help inform any policy decision you make.

Tragically, we have identified 238 OHV-related deaths in Wisconsin from January 2013 through May 3, 2023. Of these deaths, 130 (55 %) occurred on-road, 102 (43 %) occurred off-road, and 6 (2 %) occurred in an unknown location. Additionally, 25 (10.5 %) of the deaths were children aged 16 or younger. Unfortunately, these numbers may continue to rise as we gather more data.

Dr. Charles Jennissen, clinical professor at the University of Iowa, Carver College of Medicine has stated that “[m]ore kids in the US under 16 die from ATVs than bicycle crashes.”¹ Dr. Jennissen has further noted that “[w]e talk a lot about bicycle safety for kids, *but this is a bigger killer, and we need to protect our children.*”² Alarmingly, recent research from Dr. Jennissen shows that incidents are on the rise across the nation.³ Public health officials have also documented an increase in OHV deaths and injuries, likely tied school closures and stay-at-home orders. CFA has identified that 16 states are reporting increases in OHV deaths and injuries, through media reports.

A. Off-Highway Vehicles

There are two main categories of OHVs—neither of which are designed for roadway use and should not be allowed on public roads.

- **All-Terrain Vehicles (ATVs):** ATVs are “off-road, motorized vehicles having three or four low-pressure tires, a straddle seat for the operator, and handlebars for steering control.”⁴
- **Recreational Off-Highway Vehicles (ROVs):** ROVs have “four or more wheels with low pressure tires; bench or bucket seating for two or more occupants; automotive-type controls for steering, throttle, and braking; rollover protective structures (ROPS); occupant restraint; and maximum speed capability greater than 30 mph.”⁵
- **Utility Task Vehicles (UTVs):** UTVs have the same design elements as ROVs, but UTVs have maximum speeds of 30 mph or less.

B. Industry Associations Warn Against OHV Use on Public Roads and Paved Surfaces

Both ATV and ROV trade associations warn against riding OHVs on roadways. The Specialty Vehicle Institute of America (SVIA), a not-for-profit association representing ATV manufacturers and dealers, has a strong policy statement against the use of ATVs on public roads. A training manual for ATV riders from the ATV Safety Institute, a division of SVIA, states:

Remember, ATVs are intended for off-road use only. Never operate an ATV on public roads, and always avoid paved surfaces. ATVs are not designed for use on public roads and other motorists may not see you. ATVs are not designed to be used on paved surfaces because pavement may seriously affect handling and control.”⁶

Further, the SVIA makes clear that:

ATVs are designed, manufactured and sold for off-road use only. On-road vehicles must be manufactured and certified to comply with U.S. Department of Transportation Federal Motor Vehicle Safety Standards (FMVSS). These safety standards consist of extensive and detailed compliance requirements. Since ATVs are not intended to be used on-road, they are not designed, equipped or tested to meet such standards.⁷

The Recreational Off-Highway Vehicle Association (ROHVA) also directs riders to “avoid paved surfaces. ROVs are designed to be operated off-highway.”⁸ These statements show that the manufactures of these vehicles, those who know the vehicles better than anyone, know that they should not be operated on roads. In addition to these statements from OHV trade associations, ATVs and ROVs are also required to have labels indicating that they should not be operated on paved roads or on public roads.

C. More OHV Deaths Occur On Roadways than Off-Road

While there is federal ATV fatality data, there is a lack of ROV fatality data. To fill this need, our coalition has started collecting data on ROVs to give decision makers a better sense of the dangers posed by OHVs besides ATVs. See our data and analysis on our OHV webpage [here](#).

- **ATV Roadway Crashes:** ATV crashes on the road account for over 60% of ATV-related deaths and over 30% of serious ATV injuries.⁹ Roadway crashes are more likely to involve multiple fatalities, collisions and head injuries. Victims in roadway crashes were less likely to be wearing protective gear such as helmets and were more likely to be carrying passengers, both things that are risk factors for ATV-related fatalities and injuries. From 1998-2007, roadway fatalities increased twice as fast as those off-road.¹⁰ The National Highway Traffic Safety Administration released ATV-related fatality statistics for public roads showing that there were 3,411 deaths from 2004-2013, with 323 in 2013 alone.¹¹
- **ROV Roadway Crashes:** There is much less data on the number and nature of ROV crashes in comparison to ATVs, but from 2013-2022 our coalition identified 1,203 ROV fatalities. The crash site could be identified in 1,164 of the 1,203 deaths. Of those 1,203 fatalities, 744 (61.8%) occurred on-road and 420 (40%) occurred off-road. As our coalition continues to gather more data, these figures may rise.
- **UTV Roadway Crashes:** There is much less data on the number and nature of UTV crashes in comparison to ATVs and ROVs, but from 2013-2022 our coalition identified 260 UTV fatalities. The crash site could be identified in 250 of the 260 deaths. Of those 260 fatalities, 169 (65%) occurred on-road and 81 (31%) occurred off-road. As our coalition continues to gather more data, these figures may rise.

D. OHV Design Contributes to Roadway Deaths and Injuries

Ultimately, OHVs are not safe on roads because they were not designed for roadway use.

- **OHVs¹² have a relatively narrow track and high-center of gravity:** These design features allow for riding in wooded areas and between obstacles, and provide high ground clearance for rough terrain. However, these features put OHVs at a higher risk for rollovers,¹³ and require “that the vehicle takes wider turns than are found in standard road design.”¹⁴
- **OHVs have low-pressure, deep tread tires designed for off-road use:** Automobile tires have relatively shallow tread and are designed to continually grip and release roadway surfaces. In contrast, OHV tires are made to grab off-road terrain and can act unpredictably on roadway surfaces especially with increasing speed. The operator can

easily lose control of the vehicle, potentially endangering the OHV rider, occupants of other vehicles, pedestrians, and bicyclists.¹⁵

- **Most ATVs lack a rear differential:** Most ATVs have a solid rear axle or locked rear differential which means that both the inside and outside wheels rotate at the same speed, unlike motor vehicles designed for roadways. This often requires that the OHV “take wider turns than are found in standard road design,”¹⁶ and makes it more difficult for OHVs to negotiate roadway curves, especially at the speeds often traveled on roads.

E. Unpaved and Rural Roads are Not Safe for OHV Use

Many of the warnings against riding OHVs on roadways specifically mention the hazards of paved roads. While these warnings are accurate, they are not sufficient and could incorrectly imply that unpaved roads are safe for OHV use.

A 2015 [study](#) of national ATV-related fatalities occurring from 1985-2012, found that in twenty-three states half or more of ATV roadway deaths occurred on unpaved road surfaces and that 42% of all ATV roadway deaths during this time period (6,625) took place on unpaved roads. In addition, more than two-thirds of all roadway ATV fatalities (paved and unpaved) did not involve another motor vehicle. This means that low traffic volume on rural roads does not necessarily translate into fewer deaths and injuries. In fact, riders in serious roadway crashes that occur on more remote roads may be at increased risk of death because of longer distances to trauma centers. While there is not yet similar data available for ROVs, given that ROVs are also designed for off-road use with similar design elements, there is no evidence supporting the idea that they would be safe on unpaved roads.

F. Children and OHVs Do Not Mix

From 2013-2022, our Coalition identified 915 fatalities involving children 16 and younger. This number represents nearly 15.5% of the total fatalities (5,897) which our Coalition has identified. Unfortunately, these numbers are likely an underestimate, and may continue to rise as we gather more data.

G. Additional Information and Conclusion

The latest research about OHVs on roadways and OHV death and injuries, as well as a list of members of a national coalition formed to address this public health crisis and the advocacy efforts undertaken by this coalition are available [here](#).

We urge you to rethink the ordinance to allow OHV use on public roads because doing so places the public, including OHV operators, pedestrians, bicyclists, and all motor vehicle drivers and their passengers at unnecessary risk.

We hope that you will consider these comments, and if we can be of any further assistance, please feel free to contact Courtney Griffin at Consumer Federation of America at cgriffin@consumerfed.org or (202) 567-7240.

Sincerely,

Courtney Griffin
Director, Consumer Product Safety
Consumer Federation of America

Charles Jennissen, MD
Emergency Medicine
University of Iowa
Iowa ATV Injury Prevention
Task Force

Dr. Aitken, MD MPH
Chair, Department of Pediatrics at
McGovern Medical School
The University of Texas Health Science
Center at Houston
Physician-in-Chief, Children's Memorial
Hermann Hospital

Katie Kearney
Concerned Families
for ATV safety Member
Sean's Law
Massachusetts Safety Advocate

Carolyn Anderson
Co-Founder
Concerned Families for ATV Safety

Ben Kelley
Director, Injury Control Policy
The Trauma Foundation
San Francisco General Hospital
San Francisco, CA

Robin D. Schier, DNP, APRN,
CPNP AC/PC
Pediatric Emergency Medicine
Texas Children's Hospital
Houston, Texas

Sue DeLoretto-Rabe
Co-Founder
Concerned Families for ATV Safety

Gary A. Smith, MD, DrPH
President, Child Injury
Prevention Alliance

Gerene Denning, PhD
Emergency Medicine
University of Iowa
Iowa ATV Injury Prevention Task Force

Gordon S. Smith, MD (MB.ChB, Otago),
MPH Professor, Department of
Epidemiology & Public Health
University of Maryland School of
Medicine Charles "McC" Mathias
National Study Center for Trauma and
EMSShock, Trauma and Anesthesiology
Research – Organized Research Center

Benjamin Hoffman MD FAAP
Professor of Pediatrics
Medical Director, Doernbecher
Children's Safety Center
Portland, OR

Serap Gorucu, PhD

Department of Agricultural & Biological
Engineering
University of Florida

¹ Michigan Farm News. (2020, August 7). Surge in child ATV injuries coincides with COVID-19 pandemic, experts say. Retrieved October 14, 2020, from <https://www.michiganfarmnews.com/surge-in-child-atv-injuries-coincides-with-covid-19-pandemic-experts-say>

² Ibid, emphasis added.

³ Ibid.

⁴ CPSC, 2013 Annual Report of ATV-Related Deaths and Injuries, February 2015.

<http://www.cpsc.gov/Global/Research-and-Statistics/Injury-Statistics/Sports-and-Recreation/ATVs/2013-ATV-Annual-Rpt-of-ATV-Related-Deaths--Injuries.pdf>

⁵ CPSC Briefing Package. Pg. 91.

www.cpsc.gov/Global/Newsroom/FOIA/CommissionBriefingPackages/2014/SafetyStandardforRecreationOff-HighwayVehicles-ProposedRule.pdf

⁶ Tips and Practice Guide for the All-Terrain Vehicle Rider, ATV Safety Institute.

http://atvsafety.org/downloads/ATV_Riding_Tips.pdf

⁷ Specialty Vehicle Institute of America, Position in Opposition to On-Road Operation of ATVs.

<http://www.svia.org/Downloads/PositionPaperOpposingOn-RoadUse.pdf>

⁸ ROV Safety Rules. <http://www.rohva.org/>

⁹ Denning, Harland, Ellis, Jennissen, More fatal all-terrain vehicle crashes occur on the roadway than off: increased risk-taking characterizes roadway fatalities, Injury Prevention, 2012.

<http://www.ncbi.nlm.nih.gov/pmc/articles/PMC3717765/>

¹⁰ Id

¹¹ NHTSA, Fatalities in Traffic Crashes Involving All-Terrain Vehicles. <http://www-nrd.nhtsa.dot.gov/Pubs/812193.pdf>

¹² The Denning paper cited below deals with ATVs but the CPSC Briefing Package on the Proposed ROV Rule, Pg. 518, notes that ROVs are designed with narrow track widths and high ground clearance for use on off-road trails which results in a high risk of rollovers.

www.cpsc.gov/Global/Newsroom/FOIA/CommissionBriefingPackages/2014/SafetyStandardforRecreationOff-HighwayVehicles-ProposedRule.pdf

¹³ Denning, Harland, Ellis, Jennissen, More fatal all-terrain vehicle crashes occur on the roadway than off: increased risk-taking characterizes roadway fatalities, Injury Prevention, 2012.

<http://www.ncbi.nlm.nih.gov/pmc/articles/PMC3717765/>

¹⁴ Id.

¹⁵ Id. Discussing ATV tires. The CPSC Briefing Package. Pg. 410. Also defines ROVs as having low pressure tires. This allows one to infer that both categories of OHVs discussed here will have tires that are not suitable for on-road use and will have similar problems when used on-road as those described for ATVs in the 2012 report cited above.

www.cpsc.gov/Global/Newsroom/FOIA/CommissionBriefingPackages/2014/SafetyStandardforRecreationOff-HighwayVehicles-ProposedRule.pdf

¹⁶ Denning, Harland, Ellis, Jennissen, More fatal all-terrain vehicle crashes occur on the roadway than off: increased risk-taking characterizes roadway fatalities, Injury Prevention, 2012.

<http://www.ncbi.nlm.nih.gov/pmc/articles/PMC3717765/>