



### CWD and Deer Carcass Disposal

Bryan Lueth, Minnesota Department of Natural Resources  
David Benke, Minnesota Pollution Control Agency  
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### Adopt-A-Dumpster Program

Minnesota Session Laws-2019, 1<sup>st</sup> Special Session Chapter 4, Article 1 Sec. 3 Subd. 6.

- \$50,000 from Wild Cervid Health Management Account in the Game and Fish Fund
  - Provide dumpsters dedicated to disposing of deer carcasses where CWD has been detected
  - Work with solid waste haulers and other interested parties and encourage volunteer support to ensure dumpsters are located at convenient locations with appropriate signage, lined, and maintained.
  - Ensure the carcasses collected are properly disposed of
  - Work with Department of Health and Pollution Control Agency to develop guidelines for
    - hunters for handling deer in the field and transporting and disposing of carcasses
    - solid waste facilities and solid waste haulers for proper handling, processing, and disposal of deer carcasses
    - Taxidermists and meat processors for proper handling, processing, and disposal of deer carcasses
  - Submit a report

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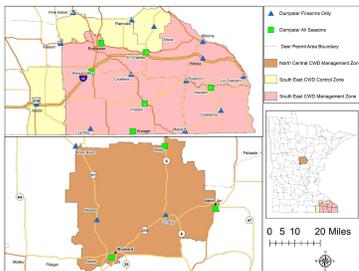
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### Adopt-A-Dumpster Program



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Adopt-A-Dumpster Program




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Adopt-A-Dumpster Program

Volunteer Support

Organization	Donation Amount
Bluffland Whitetails Association	\$2,924.67
Minnesota Deer Hunters Association	\$1,090.49
Minnesota Backcountry Hunters and Anglers	\$900.00
<b>Total</b>	<b>\$4,915.16</b>

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Adopt-A-Dumpster Program

Costs as of January 27, 2020

Expense Type	North Central Zone	Southeast Zone	Total
Dumpster costs	\$35,183	\$100,076	\$135,259
Prorated quartering stations and other supplies	\$6,189	\$24,150	\$30,340
<b>Total</b>	<b>\$41,372</b>	<b>\$124,226</b>	<b>\$165,599</b>

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Not so fast! We don't want those deer carcass remains at our landfill!



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Managing the deer carcass waste streams of CWD-positive deer

- Getting the carcass disposed of properly is the key.
  - Alkaline digestion (University of Minnesota)
  - Lined landfills
  - Incineration (if temperatures exceed 1300°F)
- If left on the landscape, an infected deer carcass becomes a source of disease; thus, the **landfill is the best solution to reduce these risks by providing containment!**
- There is **no human health risk associated with landfilling**, the health advisory is only tied to **EATING** CWD-positive venison



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What About the Research?



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### Finding a solution and reducing risk

- Crow Wing County Landfill utilizes leachate recirculation and spray application of leachate on nearby field.
  - How do CWD prions move through this type of system, should they get in?
  - Concerned about deer that routinely feed in the spray fields
  - Science has demonstrated that landfills with clay liners are successful in keeping prions bound in the soils and not moving vertically in the column; not in the leachate
  - No research studies specifically geared at spray application methods
- How to best minimize risk of potential prion movement in this system?
- According to MPCA, for landfills that recirculate leachate and or use spray irrigation sites:
  - Place the deer above recirculation lines
  - Use appropriate base soil some type of tight soil that can reduce the prions from migrating all the way through the waste mass
  - Cover as soon as possible
  - Consistent with research

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### Crow Wing County Landfill: 3-Step Method



#### Step 1: Incineration

Utilize an air-curtain incinerator to process all deer carcasses entering the landfill



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### Crow Wing County Landfill: 3-Step Method



#### Step 2: Ash Disposal

Place ash from incineration at the top of a cell that's being capped and cover with appropriate materials; thus, removed from the recirculation process

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### Crow Wing County Landfill: 3-Step Method



#### Step 3: Fence Field

Spray field will be entirely fenced with 9-ft, woven wire fencing to exclude deer from entering



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### Working together to find solutions



Thanks to the CWD & Landfills Working Group for coming together to exchange information, share ideas, and find an acceptable solution to the deer disposal issue!

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**KEEP MINNESOTA'S DEER HERD HEALTHY**  
STOP THE SPREAD OF CWD



**mn** DEPARTMENT OF NATURAL RESOURCES

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