


Poll (Multiple Choice)

What is your affiliation?

07 Feb 2019, 08:00 - 13 Feb 2019, 23:59

<p>69 Participants</p> 	<p>67 Total votes</p>	<p>28 Highest votes</p>
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Questions

Q1: What is your affiliation?

67 Participants



Q&A

Q&A for Morning Speakers - Annie Baxter, Dr. Jacques Finlay, Ted Diers,

07 Feb 2019, 08:00 - 13 Feb 2019, 23:59

<p>66</p> <p>Participants</p> <hr/> <p>211</p> <p>Interactions*</p>	<p>157</p> <p>Total votes</p> <hr/> <p>17</p> <p>Highest vote</p>	<p>35</p> <p>Questions</p> <hr/> <p>34 0</p> <p>Allowed Blocked</p>	<p>7</p> <p>Questions answered</p> <hr/> <p>8 V.Good</p> <p>Ratings Top rating</p>
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* Interactions include the total number of questions, votes, comments and answer ratings

34 Questions Allowed

17
VOTES

Anonymous • 07 Feb 2019 09:14 • ✓ ANSWERED

News reports say "Two killed on icy roads" vs. "Two killed while not driving to road conditions." Does media have an unconscious bias that maintenance did something wrong if road conditions are bad?

1 Comments:

Anonymous • Allowed on 07 Feb 2019, 09:20 • Allowed

Media/people in general. There are enough irresponsible drivers to cause serious problems! How can we get them to act more responsibly?

0 Upvotes | 0 Downvotes

Answer ratings **Good**

0	0	1	0

13
VOTES

Anonymous • 07 Feb 2019 09:22 • ✓ ANSWERED

Should we be willing to sacrifice water quality in storm water ponds in order to protect the adjacent natural fresh waters?

Answer ratings **Very Good**

0	0	0	1

13
VOTES

Anonymous • 07 Feb 2019 09:28 • ✓ ANSWERED

Jacques: why is salt flushed out of shallow ponds more efficiently than deep ponds? Also, where does the salt go when it is flushed from storm water ponds?

Answer ratings **Very Good**

0	0	0	1

13
VOTES

Anonymous • 07 Feb 2019 09:46 • ✓ ANSWERED

For Bill: What is the cost/benefit on this transition? How long will it take for these equipment investments to pay off?

Answer ratings **Very Good**



0 0 0 1 1

12
VOTES

Brian • 07 Feb 2019 09:23 • ✓ ANSWERED

Is it possible to clean the salt out at the bottom of those ponds?

Answer ratings **Very Good**



0 0 0 0 1

11
VOTES

Anonymous • 07 Feb 2019 09:42 • ✓ ANSWERED

Bill, have you done any media outreach, in the local area, informing the public of your efforts? Informed county/local law enforcement?

Answer ratings **Good**



0 0 0 1 0

8
VOTES

Anonymous • 07 Feb 2019 09:09 • ✓ ANSWERED

As people learned about the impacts of salt, I'm curious what their reaction was - one of concern for the environment, or a nice thing to know but public safety should still come first?

Answer ratings **Good**



0 0 0 1 0

8
VOTES

Anonymous • 07 Feb 2019 09:44

William how well does straight liquid work in low speed 30mph or less areas, lower traffic and with very low temperatures

7
VOTES

Anonymous • 07 Feb 2019 09:23

Our watershed district has monitored salty water building up in deep areas of stormwater ponds. Is there evidence that salt also inhibits turnover and depletes oxygen in larger lakes?

1 Comments:

Anonymous • Allowed on 07 Feb 2019, 09:44 • Allowed

Yes, high salinity levels can cause a halocline to form instead of a thermocline that separates deep and shallow water in deeper freshwater lakes. Haloclines make it more difficult for the lake to turnover because changing temperature can't turn the water as well as less salty lakes.

0 Upvotes | 0 Downvotes

5
VOTES

Anonymous • 07 Feb 2019 09:23

Re: Jacques' chart with the hot/cold colors showing temporal accumulation of salt: where does the salt go in late summer/fall (when the colors go cool, before the next winter)?

5
VOTES

Anonymous • 07 Feb 2019 09:43

Bill: what would you suggest as good beginning steps for operations considering starting up a DLA program?

5
VOTES

Anonymous • 07 Feb 2019 09:47

Bill, are you using any alternative liquids? Chlorides, carbohydrate, other?

4
VOTES

Anonymous • 07 Feb 2019 09:29

For Dr. Finlay- you stated that the salt needs to be flushed out of the ponds to work properly. Wouldn't that just push the problem down the line somewhere else like lakes and rivers?

1 Comments:

Jacques • Allowed on 07 Feb 2019, 10:52 • Allowed

Yes it does- the sooner it's flushed the better though, i think, if it's already in the environment

0 Upvotes | 0 Downvotes

4
VOTES

Anonymous • 07 Feb 2019 09:43

Bill: how the heck has your department paid for all this equipment??

1 Comments:

Anonymous • Allowed on 07 Feb 2019, 09:47 • Allowed

How much did it cost?

0 Upvotes | 0 Downvotes

4
VOTES

Anonymous • 07 Feb 2019 09:45

How much does it cost to convert the DLA trucks

1 Comments:

Mike • Allowed on 07 Feb 2019, 09:50 • Allowed

I see how you were able fund some of the cost of new trucks via salt savings

0 Upvotes | 0 Downvotes

4
VOTES

Anonymous • 07 Feb 2019 09:45

Bill - will or does the county sell brine to local communities?

3
VOTES

Anonymous • 07 Feb 2019 09:04

Annie: how did you decide who to interview? Who's views are worth promoting? What makes a good show when it comes to the stories?

1 Comments:

Sue • Allowed on 07 Feb 2019, 09:30 • Allowed

Annie-weather and traffic reporters talk about roads and expectations daily and Minnesotans are listening. How could these reporters help with chloride issues?

0 Upvotes | 0 Downvotes

3
VOTES

Anonymous • 07 Feb 2019 09:45

Do we have any data or understanding of the scale of potential phosphorus release as a result of the chloride accumulation in stormwater ponds? What might this mean for TMDL studies?

1 Comments:

Jacques • Allowed on 07 Feb 2019, 10:49 • Allowed

The state recently funded new studies at umn to understand this better- stay tuned!

0 Upvotes | 0 Downvotes

3
VOTES

Anonymous • 07 Feb 2019 09:49

Mr kern What type of controllers are you using for your spray trucks.

2
VOTES

Anonymous • 07 Feb 2019 09:09

Annie of the 700 million pounds of salt applied to roads and walkways how much makes it's way into Minnesota's fresh waters?

2 Comments:

Anonymous • Allowed on 07 Feb 2019, 09:12 • Allowed

All of it. Some is delayed in sediments and soil organic matter, but it all flushes through eventually.

0 Upvotes | 0 Downvotes

Anonymous • Allowed on 07 Feb 2019, 09:16 • Allowed

And by "flushes through" I mean to either groundwater (into an aquifer) or surface water.

0 Upvotes | 0 Downvotes

2
VOTES

Anonymous • 07 Feb 2019 09:32

Bill: does the responsibility of the county to maintain the interstate help or hurt maintenance? Is that typical or atypical in cold regions states?

2
VOTES

Anonymous • 07 Feb 2019 09:44

Bill, has Jefferson County looked at a Slurry Mix (High liquid usage with solids in those situations that are NOT ideal for DLA)?

2
VOTES

Anonymous • 07 Feb 2019 09:44

Bill- Do you use a slurry mix rate on the route trucks with the twin tank setups?

1
VOTES

Anonymous • 07 Feb 2019 09:18

Jacques: can you tell us anything about the relationship between these urban ponds and the water table?

1
VOTES

Bob Vasek • 07 Feb 2019 09:19

For dr finley. Where does the acute chloride level of 860? Mg/l fall on the conductivity vs depth chart?

1 Comments:

Anonymous • Allowed on 07 Feb 2019, 09:40 • Allowed

Hi Bob Good question -Approximately 3000-4000 micro S/ cm in the ponds we've sampled Jacques

0 Upvotes | 0 Downvotes

1
VOTES

Anonymous • 07 Feb 2019 09:25

Jacques: does exporting the salt solve the problem for our lakes at a cost to our rivers?

1
VOTES

Anonymous • 07 Feb 2019 09:26

Stormwater question - isn't the research pointing to inherent problems with wet detention? Points to benefits of infiltration and bio treatment.

1 Comments:

Anonymous • Allowed on 07 Feb 2019, 09:26 • Allowed

How does infiltration help?

0 Upvotes | 0 Downvotes

1
VOTES

Anonymous • 07 Feb 2019 09:26

What characteristics should be used to identify sensitive ponds besides depth

1
VOTES

Anonymous • 07 Feb 2019 09:47

How has the public responded to the DLA

1
VOTES Anonymous • 07 Feb 2019 09:58
What does Europe do to safeguard their water systems? They've been around for in some cases thousands of years .

0
VOTES Anonymous • 07 Feb 2019 09:09
Did you give advice for homeowners? Concerned people want to do something.

0
VOTES Anonymous • 07 Feb 2019 09:47
Do highway speed limits effect salt use? Would lower maximum speed limits reduce the need for brine or rock salt use?

0
VOTES Mike • 07 Feb 2019 09:47
Impact on chloride levels in adjacent water bodies? Any joint studies with State University?

0
VOTES Anonymous • 07 Feb 2019 10:00
Bill, Are you having to reapply during an event? If so, how often?

1 Questions Pending

Anonymous • 07 Feb 2019 10:41
Ted - what do you call it when salt says hello to pepper?

Q&A

Q&A for Private Sector Insights - Ted Diers, Sue Nissan, Jessica Wilson, Erica Sniegowski

07 Feb 2019, 08:00 - 13 Feb 2019, 23:59

<p>51 Participants</p> <hr/> <p>109 Interactions*</p>	<p>79 Total votes</p> <hr/> <p>13 Highest vote</p>	<p>21 Questions</p> <hr/> <p>21 Allowed 0 Blocked</p>	<p>4 Questions answered</p> <hr/> <p>8 Ratings Good Top rating</p>
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* Interactions include the total number of questions, votes, comments and answer ratings

21 Questions Allowed

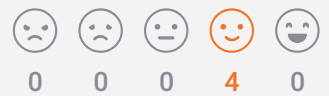
13
VOTES

Anonymous • 07 Feb 2019 10:42 • ✓ ANSWERED

For Sue: What is the legislation named for 2019? How should we identify the bill when communicating with representatives?

Answer ratings

Good



12
VOTES

Anonymous • 07 Feb 2019 10:43

Ted - what do call it when salt says hello to pepper?

1 Comments:

Anonymous • Allowed on 07 Feb 2019, 10:44 • Allowed

Seasonings greetings!

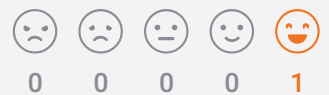
1 Upvotes | 0 Downvotes

10
VOTES

Anonymous • 07 Feb 2019 10:30 • ✓ ANSWERED

Ted: What political hurdles did you have to overcome to enact the limited liability law?

Answer ratings Very Good

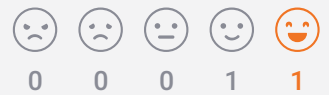


9
VOTES

Anonymous • 07 Feb 2019 10:36 • ✓ ANSWERED

Ted: have you seen a measurable decrease in private applicator salt use since limited liability passed?

Answer ratings Very Good



7
VOTES Anonymous • 07 Feb 2019 11:01
Has anyone been sued due to the overuse of salt?

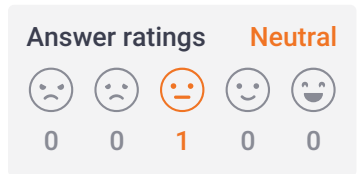
6
VOTES Anonymous • 07 Feb 2019 10:42
Sue: You are an inspiration to many! What significant challenges did you face in your efforts? As a citizen, what made you feel most empowered to accomplish your work?

6
VOTES Anonymous • 07 Feb 2019 11:01
Ted have you seen a drop in frivolous law suits against GREEN pro contractors, and are the insurance companies willing to fight instead of paying out a settlement.

4
VOTES Anonymous • 07 Feb 2019 10:31
Ted: how do private applicators handle the additional documentation demands?

2
VOTES Anonymous • 07 Feb 2019 10:52
Are there suggestions for continuing education and supporting the private sector after they attend a training?

2
VOTES DK • 07 Feb 2019 10:59 • ✓ ANSWERED
All: Jessica mentioned the differences between technology, knowledge, and legislative/regulatory solutions to problems. Where do you think societal values fit into solving the chloride problem?



2
VOTES Anonymous • 07 Feb 2019 11:09
Has New Hampshire or other states looked at regulating salt as a pollutant similar to pesticides?

1
VOTES Anonymous • 07 Feb 2019 10:32
Ted: have you had more lawsuits since limited liability went into effect?

1
VOTES Anonymous • 07 Feb 2019 10:50
Jessica: do you think limited liability would be enough to get people like your sole practitioner to actually use less salt?

1
VOTES Anonymous • 07 Feb 2019 10:51
Jessica: What political hurdles did you have to overcome to get this model contract approved?

1
VOTES Anonymous • 07 Feb 2019 11:03
Ted: since you went first, could you give comment on the efforts and presentations that have followed in this group? Anything you'd like to see modified in NH rules?

1
VOTES Anonymous • 07 Feb 2019 11:06
For anyone-Do you see packaging language for salt and other drivers changing?

1
VOTES Anonymous • 07 Feb 2019 11:08
Erica-if a private company reduces their salt usage because of your new regulations and then gets sued due to a fall, is the Watershed District taking responsibility and the liability for them?

0
VOTES Anonymous • 07 Feb 2019 11:04
Erica: Are there resources for commercial (or private) applicators to learn how to use more liquids and anti-icing methods?

0
VOTES Anonymous • 07 Feb 2019 11:04
Erica: how are you planning to ensure permittees keep their chloride management plans up to date?

0
VOTES Anonymous • 07 Feb 2019 11:06
Do all winter maintenance contractors in the Nine Mile Creek district have to apply for a permit?

0
VOTES Peter Cartwright • 07 Feb 2019 11:06
How effective is traction grit technology instead of salt?

Q&A

Q&A for Tools and Technology - William Kern, Chris Walsh, Chris Cheney/Steve Baublitz, Josh Dix

07 Feb 2019, 08:00 - 13 Feb 2019, 23:59

<p>41 Participants</p> <hr/> <p>66 Interactions*</p>	<p>45 Total votes</p> <hr/> <p>6 Highest vote</p>	<p>18 Questions</p> <hr/> <p>17 0 Allowed Blocked</p>	<p>2 Questions answered</p> <hr/> <p>3 Good Ratings Top rating</p>
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* Interactions include the total number of questions, votes, comments and answer ratings

17 Questions Allowed

6 VOTES Anonymous • 07 Feb 2019 13:49
 FOr chris walsh. How did you get all the various parties to “leave their hats at the door” and come together as a team. Do you also train together.

6 VOTES Anonymous • 07 Feb 2019 13:09 • ✓ ANSWERED
 With so many people relying on the roadways, how does the state encourage private citizens to cooperate with the needs of winter roads management? What is a driver's role in mitigating salt effects?

Answer ratings **Good**

0	0	1	0

6 VOTES Anonymous • 07 Feb 2019 13:27 • ✓ ANSWERED
 Ted: Are there efforts to get more people to from Boston to New Hampshire on public transit or to encourage redevelopment of existing sites not just building on new land?

Answer ratings **Good**

0	0	2	0

6 VOTES Anonymous • 07 Feb 2019 13:37
 Are there any State or local policies requiring employers to allow staff to work from home or stay home during major weather events? If not, should there be?

6
VOTES Anonymous • 07 Feb 2019 13:37
Chris: how is the public accepting the culture shift

4
VOTES Anonymous • 07 Feb 2019 13:47
Chris - what was necessary to be able to give tickets to those traveling in dangerous road conditions?

2
VOTES Anonymous • 07 Feb 2019 13:59
How was MnDOT District 1 able to put together this route by route materials use data?

2
VOTES Anonymous • 07 Feb 2019 14:03
Chris when to use sand with KAc in it?

2
VOTES Anonymous • 07 Feb 2019 14:04
What are the negative environmental effects of potassium acetate and are you doing studies on it?

1
VOTES Anonymous • 07 Feb 2019 13:53
How much potassium acetate are you ordering at a time to get your price.

1
VOTES Anonymous • 07 Feb 2019 13:57
How do I keep from getting discouraged from negative citizens? I modernized my 1980' s style equipment and management from the past department head and turned things around in my 4700 population town.

1
VOTES Anonymous • 07 Feb 2019 14:03
Is KAc regulated as a hazardous material?

1
VOTES Anonymous • 07 Feb 2019 14:04
Chris what is the typical truck used to apply KAc?

1
VOTES Anonymous • 07 Feb 2019 12:59
When calculating reductions of salt are you figuring the salt used to make your brine and any additional chlorides added to your mix towards the chloride reductions total

0
VOTES Anonymous • 07 Feb 2019 13:49
How fast is chloride building up in Lake Superior?

0
VOTES

Anonymous • 07 Feb 2019 14:06

Do employers that provide nonessential services have a responsibility to keep their employees off roads in snow and ice events or should they?

0
VOTES

Anonymous • 07 Feb 2019 14:19

Josh: do you have any recommendations for parking lots with persistent ice problems and slope?

1 Questions Pending

Anonymous • 08 Feb 2019 09:32

You mentioned that potassium acetate didn't have permanent or cumulative environmental impact unlike chlorides-is there a way KAc can easily be removed from water by natural processes?

 Q&A

Q&A for National/Local Updates - Tina Greenfield, Mindy Carlson, Brooke Asleson

07 Feb 2019, 08:00 - 13 Feb 2019, 23:59

<p>21</p> <p>Participants</p> <hr/> <p>31</p> <p>Interactions*</p>	<p>16</p> <p>Total votes</p> <hr/> <p>4</p> <p>Highest vote</p>	<p>10</p> <p>Questions</p> <hr/> <p>8 1</p> <p>Allowed Blocked</p>	<p>3</p> <p>Questions answered</p> <hr/> <p>3 V.Good</p> <p>Ratings Top rating</p>
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* Interactions include the total number of questions, votes, comments and answer ratings






8 Questions Allowed

4
VOTES

Anonymous • 07 Feb 2019 14:52 • ✓ ANSWERED

When it comes to chloride reductions, do we need to "walk before we can run" from a regulatory standpoint, or is it better for us to set high goals for reductions and figure out how to achieve them?

Answer ratings Good

				
0	0	0	1	0

3
VOTES

Anonymous • 07 Feb 2019 14:32

Tina: What is SWiM?

1 Comments:

Paul Vanderzon • Allowed on 07 Feb 2019, 14:37 • Allowed

Sustainable Winter Management






0 Upvotes | 0 Downvotes

3
VOTES

Anonymous • 07 Feb 2019 14:39 • ✓ ANSWERED

Tina are ice events separated from snow events when tracking salt usage?

Answer ratings Very Good

				
0	0	0	0	1

2
VOTES

Anonymous • 07 Feb 2019 14:50

Brooke: What about salt water pools (chlorine AND salt) that are so popular and are drained into our streets? Is that being considered as a significant chloride source?

1 Comments:

Anonymous • Allowed on 07 Feb 2019, 14:58 • Allowed

Are they really that popular? I don't know anybody who has one...

0 Upvotes | 0 Downvotes

1
VOTES

Anonymous • 07 Feb 2019 14:40

Do you think a salt application report from local meteorology departments (a local news report, maybe) could affect salt use by non-professionals and/or private applicators?

1
VOTES

Anonymous • 07 Feb 2019 14:54

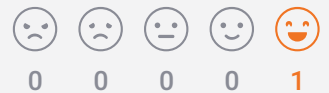
Brooke- how deep are the shallow groundwater wells , and are we monitoring deep wells?

1
VOTES

Anonymous • 07 Feb 2019 15:00 • ✓ ANSWERED

Do you have to attend level 1 smart salting course before taking level 2?

Answer ratings **Very Good**



1
VOTES

Anonymous • 07 Feb 2019 15:00

Brooke: With so much constant development in salt application technology, how does MPCA make sure the Winter Maintenance Assessment Tool stays up to date?

1 Questions Pending

Anonymous • 07 Feb 2019 15:06

How long before the salt training is mandated.

1 Questions Blocked

Anonymous • 07 Feb 2019 14:03

does your winter sand cause drainage issues over time?