

**MANITOBA-MINNESOTA  
TRANSMISSION PROJECT**

Clean Environment Commission Hearing



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Introduction & Project Description	Alec Stuart, Manitoba Hydro
Engagement	
Routing	Biosecurity program Construction procedures Monitoring program Lessons learned
Construction, Operations & Property	
Methods	
EMF	
Socio-Economic Environment	
Biophysical Environment	
Environmental Protection Program & Monitoring	

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**Outline**

- Biosecurity at Manitoba Hydro
- Construction procedures
- Monitoring program
- Lessons learned from past projects

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### Biosecurity at Manitoba Hydro

- Procedures developed with stakeholder input
- Risk-based approach
- Goal is to prevent movement of soil between properties
- Flexibility to address site-specific concerns

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### Construction procedures

- All properties reviewed before construction begins to assign risk level
- Vehicles, footwear and equipment cleaned and disinfected on entering and leaving sites
- Cleaning mechanisms based on risk level



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### Construction procedures



- Third-party monitors to track compliance with biosecurity procedures
- Flexible procedures to adapt to changes in condition

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## Monitoring program

Cleanliness Grade	Pass or Fail	Rationale
Grade 1	FAIL	No effort made to clean
Grade 2	FAIL	Mechanically cleaned but soil or plant matter still present
Grade 3	PASS	Mechanically cleaned and any remaining soil disinfected with Virkon or Synergize
Grade 4	PASS	Vehicle/equipment/footwear clean. No soil or plant matter present.

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## Reporting

Biosecurity Grade	Number of Pedestrians	
	Entering	Exiting
Grade 1	0	1
Grade 2	0	0
Grade 3	28	31
Grade 4	0	0
<b>Total</b>	<b>28</b>	<b>32</b>
<b>% non-compliance</b>	<b>0.0</b>	<b>3.1</b>

  

59	FAIL
31	PASS

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## Grade 1 - Fail

**GRADE 1 (FAIL)**  
 -No effort made to clean vehicle; clumps of wet mud/leaves stuck to surfaces.  
 -No equipment/vehicles should be permitted to enter OR leave a site in this condition, regardless of Low or High Risk area.

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### Grade 4 - Pass



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### Lessons from past projects and experiences

- Implement program from the start
- Carry out pre-construction sampling
- Ensure biosecurity is built into construction contracts
- Third party monitoring from the start of construction

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