

# Zebra Mussel Workshop

## Potential Impacts on Water Intakes and Control Structures

**Wednesday, April 28 - Saskatoon Inn**

This past summer, Saskatchewan had our first zebra mussel sighting which was found on a boat brought in from the US. Fortunately the boat was spotted prior to entering a Saskatchewan waterbody. As this issue is a significant environmental, recreational and economic concern, Ministry of Environment, SaskPower, and the Saskatchewan Invasive Species Council have organized a one day provincial workshop to discuss zebra mussels and their impacts. **Zebra mussels can and will have significant economic impacts on those who operate water intake and control structures. Researchers have estimated that Dreissenid (zebra and quagga) mussel infestations in the Great Lakes area has cost the power industry \$3.1 billion between 1993-1999, with an economic impact to industries, businesses and communities of more than \$5 billion.** Education, awareness, and monitoring are critical steps in preventing zebra mussels from entering and spreading throughout Saskatchewan. The workshop will be held in Saskatoon on April 28<sup>th</sup>, 2010 and will focus on impacts related to water intake and control structures. We would like to invite you or someone from your organization to attend.

Attached is a draft agenda for the workshop. It is intended that this workshop will provide a prospective into zebra mussels impacts (environmental and economic), prevention, outreach and monitoring. Two key presenters from Ontario who have extensive experience managing zebra mussels will be on hand to present information, answer questions and discuss strategies. The morning session is meant to provide information on impacts, detection and prevention for water intake operators and managers. The afternoon session will provide more planning and discussion regarding steps that can be taken in Saskatchewan to minimize the threat of a zebra mussel invasion.

If you, or an associate, would like to attend the workshop, please respond by Friday April 21, 2010 to Sheila Harlos at [sharlos@saskpower.com](mailto:sharlos@saskpower.com) or by phone (306) 566-2870. There is no cost associated with this workshop. Coffee and lunch will be provided. Thank you.

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Ministry of Environment  
Species Council  
953-3242

Rick West  
SaskPower  
566-3587

Chet Neufeld  
Sask Invasive  
668-3940



<u>Time</u>	<u>Person</u>	<u>Topic</u>
8:00 – 8:30 am	All	Arrive
8:30 – 9:15 am	Rick West Ron Hlasny Chet Neufeld	1. Welcome & Introduction <ul style="list-style-type: none"> <li>• Purpose and Objectives of the Workshop</li> <li>• “Don’t Move a Mussel” Video</li> <li>•</li> </ul>
9:15 – 10:15 am	Renata Claudi	2. A North American Perspective <ul style="list-style-type: none"> <li>• Biology</li> <li>• Vectors of Introduction</li> <li>• Impacts/Control</li> <li>• Prevention/Outreach</li> </ul>
10:15 – 10:30 am	All	Break
10:30 – 11:30 am	Tony Van Oostrom	3. Experience from Other Provinces <ul style="list-style-type: none"> <li>• Evolution of Zebra and Quagga Mussel Treatment at OPG</li> <li>• Principles of Good Treatment Design - Chlorination</li> <li>• Treatment Costs - Infrastructure and Operation</li> <li>• The Mussels are Coming – What Do You Do Now?</li> <li>• New Technologies</li> </ul>
11:30– 11:50 am	Rick West	4. Zebra Mussel Risk Assessment <ul style="list-style-type: none"> <li>• Saskatchewan Waterbodies -</li> </ul>
11:50 – 12:15 pm	Ron Hlasny	5. Provincial Perspective at Present <ul style="list-style-type: none"> <li>• MoE and Aquatic Invasive Species(NAISC/SISC)</li> <li>• MoE – AIS Awareness</li> </ul>
12:15 – 1:00 pm	All	Lunch Provided
1:00– 1:30 am	All Presenters	6. Panel Discussion with all the presenters prior to breakout group discussion.
1:30– 2:45 am	All	7. Breakout Group Discussion
2:45 - 3:15 pm	All	Break
3:15 – 4:00 pm	All	8. Presentations on Group Discussion
4:00 – 4:30 pm	All	9. Next Steps

### Breakout Questions:

- Based on the information just presented, how may zebra impact your facilities?
- What does Saskatchewan need to do to slow down the spread of zebra mussels?
- How can all of us help and how do we get there?
- What would be some of the major challenges in increasing awareness and preventing zebra mussel introduction, how do we overcome those challenges?