

NORJOHN LIMITED

Proud of Environmental Initiatives



Maria Racota, Jason Bertrim



A.C. Tanks

Efficiently operate by

- reusing water in their process
 - Hot water from the new heat exchanger is pumped into holding tanks where it is stored until it can be used in the asphalt and wax emulsion production process replacing fresh water that would have had to be heated before use.
 - This new process allows us to recover not only the waste water itself, but also the waste heat energy from other production processes.

Acknowledge our part by

- working together to find ways to further reduce water consumption in process and on-site

Reduce our impacts

- Holding tanks capture water reducing what goes to drain
- Recovered approximately 1.5M Litres of cooling water from our wax process for use in making our asphalt emulsions
- Eliminated the use of formaldehyde from emulsion products and received recognition by the Minister of the Environment in 2011
- Created sustainable wax emulsions made from non-petroleum based feedstock



Homogenizer

Take time to plan

We:

- research equipment and processes to achieve goals and ensure that options suite our needs
- are currently looking into the possibility of capturing more process and building run-off water which can be incorporated in the production process



Mark Rattle, Meron Olana, Alex Badali



Asphalt Testing - Liliana Cordoba

Higher Environmental Performance

We:

- continue to apply research and development to create green alternative products

1st Innovation and leadership

We:

- created a closed-loop water system by capturing cooling water saving both water and energy



Heat Exchanger



5 - Way Valve



Disperser



Penetration Testing



Solution Control Panel



From left to right: Grahame Youngs, Paul Chalupka, Brad Mercer, Kourtney Adamson, Tracey Kelly, Kristina Heeps, Wayne Clayton, Scott White, Jason Bertrim, Jack Fearon, Bill Hardy, Rocco Battaglia.

QUESTIONS / DISCUSSIONS

1. What green alternatives could you include in your operation?
2. What tools do you use to track your water savings?
3. What changes could you make to your process and/or equipment to reduce water consumption?
4. How have you or could you reduce your water footprint at home?

COMMIT ■ CREATE ■ PARTICIPATE



Our Environmental Messenger™

NORJOHN LIMITED

March 2013

COMMIT ■ CREATE ■ PARTICIPATE

Company _____ Date _____ Delivered by _____

Other topics discussed _____

Name

Signature



Aggregates



Duntroon



Niagara Biosolids LP



Norjohn Limited



WEGI



Compost Site



WIHL



ORMI



RECORD RESPONSES SPECIFIC TO YOUR SITE

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NATIONAL SWEATER DAY

Thank you for all the enthusiasm to commit, create and participate! It is that energy and enthusiasm that has made EARTH 1st the success it is today. Your willingness to embrace new ideas and to create actions that inspire others to jump on board will make the next 10 years of EARTH 1st even greater than the last 10. Thank you to Adam Lem of ORMI for the idea of sweater day. It truly created a memorable day and a great start to our 10th anniversary celebrations. Not only did we make a small change in support of the environment, we also had a day full of fun, laughter and wackiness – priceless.

Check-out the Challenge Intranet site for more posts and pictures.

Remember you have until March 15, to get your posts up on the Sweater Day Challenge site. After March 15, the Sweater Day Challenge will close – just in time for World Water Day to begin.



Commit ■ Create ■ Participate

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Clearly no group can, as an entity, create ideas. Only individuals can do this. A group of individuals may, however, stimulate one another in the creation of ideas.
Estill I. Green