



HEALTH, SAFETY & ENVIRONMENT REPORT 2009

Calgary, Canada

Nufarm Agriculture Calgary is the formulation facility for Nufarm in Canada

The plant

The Calgary plant continues to play a significant role in providing crop protection products for Canadian agriculture both for Nufarm and a number of Toll Customers. Based in Calgary for over 50 years, this facility supplies a large portion of the technology used to make Canadian farmers successful in being one of the world's largest food exporters. Nufarm ownership of the facility has brought state of the art upgrades to the practice of developing crop protection products. Today, the facility is equipped to formulate and package herbicides, fungicides and insecticide seed treatments for the agriculture markets in North America. In addition to our own Nufarm brand of products, we are a recognized leader in the provision of contract services for other companies in the crop protection industry. Formulations presently handled include solutions, emulsifiable and suspension concentrates, and solids. We are equipped to package most conventional package bottles and cartons, totes and water soluble bags. We are designed for maximum versatility and flexibility and can easily accommodate packaging of multi-product packs. A core part of Nufarm's Canadian mandate is not only to lead standards in responsible packaging, we also play a key role in industry leadership for container return policies and waste reduction practices. Skilled personnel with a long-term commitment provide a high standard of operational training and maintain a high level of focus on HS&E. We are committed to safely producing a quality product to meet customer needs while protecting the environment.

Health and safety performance

We suffered one injury with loss of time in 2008. This involved one of our people lifting a floor grate from a sump, the grate slipped and fell on the person's hand causing a deep cut to his finger. The individual lost one full day of work. Nufarm's commitment to Health, Safety and the Environment continues and is a focus for all employees and management. Along with compliance with all Federal, Provincial and Municipal regulations, the Calgary plant complies with our industry association, Crop Life Canada's Manufacturing and Warehouse Standards. These standards help us to maintain our focus on Health, Safety and Environment. We undergo comprehensive HS&E audits internally as well as by our customers. Finally we also conduct weekly "safety tailgate meetings", support an active safety committee, continually train employees, and investigate all incidents and all potential incidents. Continually keeping up with, and meeting, these high standards is a key to maintaining and improving our safety performance. Nufarm Calgary sponsors two members of the Calgary Fire Departments Hazardous Materials Unit to receive advanced training in Transportation Emergency response techniques. We maintain a well trained, certified Plant Emergency Response Team with close contact with the Calgary fire department.



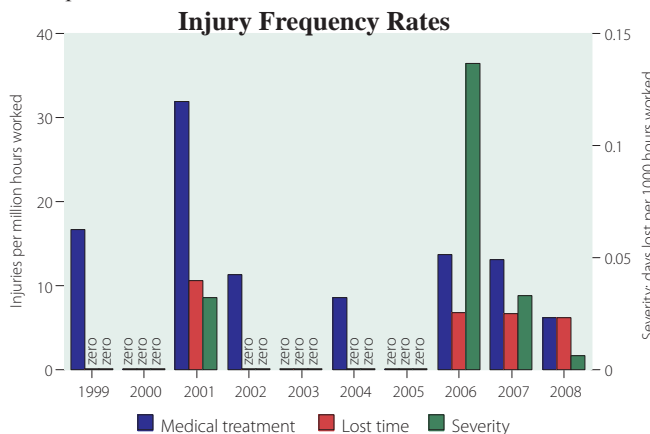
Plant Office Team

Wastes

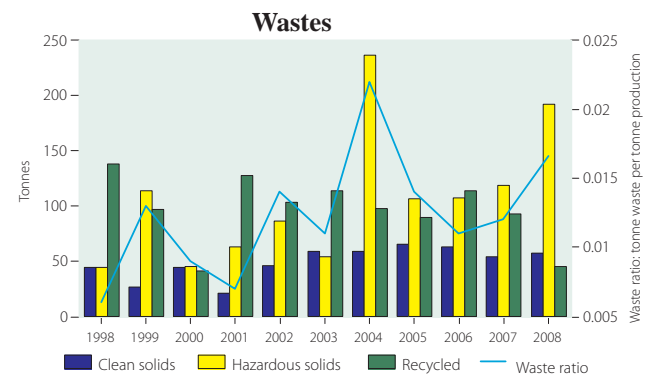
Calgary is primarily a blending and packaging operation, taking raw concentrated products, processing and diluting them to a usable strength and packaging them into containers. Every attempt is made to reduce the wastes we generate by recycling plastic, cardboard and wood wherever possible. Wastes that are disposed of are made up of empty packaging from the raw materials we receive, used filters, debris, and safety equipment from the formulation and packaging operations.

Wastes increased this past year due to a project that was undertaken to recall a product for re-packaging. The cases were returned to us, emptied and the contents repackaged into new cartons and bottles. All emptied containers were incinerated at an approved waste handling facility and cardboard recycled or reused as appropriate.

Air emissions from the plant are very low and are generally made up of fugitive emissions. Contaminated air emissions are minimal from the plant, less than 50kg volatile organic compounds are emitted annually mainly from fugitive emissions. Some areas are equipped with carbon filtration and scrubbers to clean the air prior to passing to the environment. Other areas have dust collectors utilizing HEPA filters. This equipment is rated at 99.97% on 0.3 micron and recycles captured dust back to the process. This allows us to minimize wastes and at the same time minimize employee exposure and environmental impact.



Note: All lost time injuries are also counted as medical treatment injuries



Water use

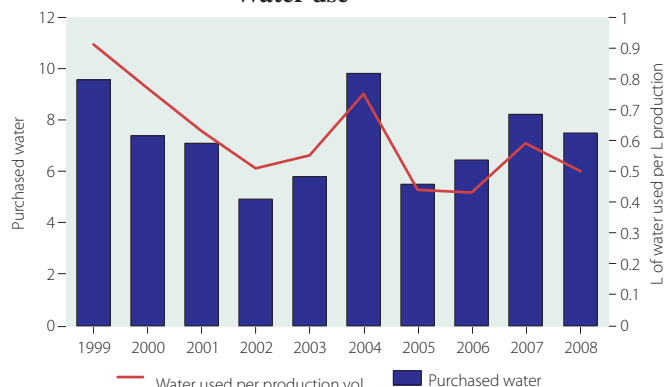
The plant has implemented a water-recycling program that allows us to use less water from the municipality. This program involves collecting, when possible, rain and snow melt water, and using this soft water resource in some of our products.

Wash water from clean outs during product changes is collected and recycled back into the process.

Waste water is collected and, where possible, treated on site. Sludge from this process is sent off site for incineration and the water re-used into the process. If this is not possible, the waste water is disposed of at an approved waste handling facility.

Storm water is collected and analysed and, if clean, may be pumped into the sewers. If storm water is contaminated it is treated on site and re-used in the process. Air-conditioning systems have been upgraded and modernised, further reducing our use of water. The results of this effort can be seen on the graph below in 2005, where the water we took from the municipality declined sharply. Water use has increased since that time but this is due to increased production of water based products from the plant.

Water use



Emergency training

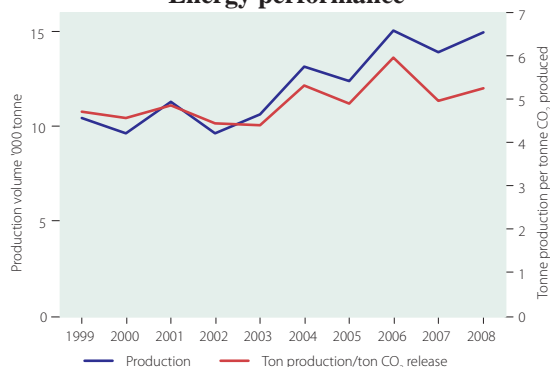
In the spring, a mock spill containment drill was conducted to test our response plan to an accidental release of material in our yard. A leaking tanker was staged with water. As the production crew returned to the packaging line after a break, they were greeted with the leaking tanker. They responded as trained, contained the incident and the fire department was called in to test their response and to help train new inductees to the Hazardous Material Unit. The Fire Department responded as if it were an actual event, complete with decontamination unit. They carried out their training and drills as we completed our role in the mock event. The event was a great learning tool for all involved. In the end the CFD and Nufarm staff realised the reality of a possible spill in the rear yard and how to properly manage such an event. The drill went smoothly and helped ensure both Nufarm and the CFD that we are capable to handle an actual occurrence.



Energy performance

The site is a relatively small user of energy. We estimate that a large amount of energy we consume is used simply to heat our buildings during the winter. Because of this, energy use per tonne produced actually decreases as production increases at the Calgary site.

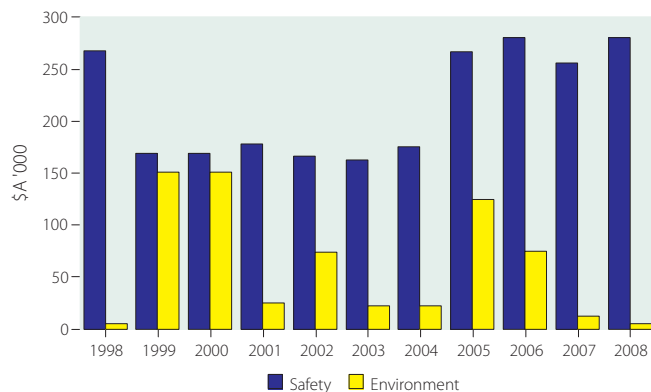
Energy performance



Expenditure

We continue to invest in Health, Safety and the Environment as we believe that it is fundamental for the well being of employees, our relationship with the community, and our continued ability to maintain the respect of our clients. It is also the right thing to do. Expenditures in HS&E are largely spent in the area of continuous training efforts (approximately 40 hours per person in the plant each year), combined with equipment improvements for safe working and environmental controls.

Expenditure



Operator safety

Some of our packaging operations involve filling larger containers. The flexible filling hoses are heavy and somewhat awkward to handle. To avoid strain injuries and spills if the hoses whip from the containers, we have installed lifting aids to make it easy to lift or move the hoses. One such unit is shown in the photo.



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