



Health, Safety & Environment fact sheet

Belle Plaine, 2009



Location: Belle Plaine, Canada

Number of employees: 157

Annual production capacity (ton)

Ammonia: 800,000

Urea: 1.200,000

UAN: 200,000

Health and safety indicators	
Employee sickness rate (%)	2.5
TRI rate for own employees	0.0
TRI rate for employees and contractors	15.3
LTI rate for own employees	0.0
LTI rate for contractors	3.3
LTI rate for employees and contractors	2.0
Major accidents during the year	0

Plant energy and water consumption	
Plant electrical energy consumption (kWh)	188,862
Energy produced	-
Energy provided externally	188,862
Water consumption (m ³)	3,227,000

Emissions and waste	Ton per year	% of permit	Possible impacts
CO ₂ to air	500,406	-	Climate change, global warming effects
N ₂ O to air	49	-	Climate change, global warming effects
NO _x to air	417	-	Regional acid precipitation and local haze formation
NH ₃ to air	572	-	Regional acid precipitation and local haze formation
Dust to air	166	-	Local nuisance and haze formation
N to water	0	-	Eutrophication (excess nutrients in waterways and algae blooming)
Hazardous waste	401	-	
Non-hazardous waste	230	-	

Actions for further improvements

- Implementation of behavior-based safety program and increased safety walks
- HAZOP review and implementation of SIL analysis
- Conformance with Yara standards

Community activities

- Health Foundations, both Moose Jaw and Regina
- Heart and Stroke Big Bike
- Prairie Arts Festival and Mozart in the Meadow
- United Way
- Variety of technology based scholarships
- Wide variety of initiatives primarily based on health care, education, environment and safety
- Supported 46 different charitable organizations

LTI (Lost-Time Injury) rate: Number of injuries with absence from work in excess of day of injury, per million hours worked

TRI (Total Recordable Injury) rate: Number of injuries with absence from work + temporary lighter work tasks + medical treatment, per million hours worked

Major accident: Accident leading to fatality, property damage or loss of production in excess of €10 million, significant environmental incident

"Ton" in this document refers to metric ton, equal to 1000 kilograms.