



# Health, Safety & Environment fact sheet

## Yara Sluiskil, 2008



**Location:** Sluiskil, Netherlands

**Number of employees:** 580

**Annual production capacity**

**Ammonia:** 1,700,000 tons

**Urea:** 700,000 tons

**Nitrates:** 1,800,000 tons

**Certification:**

ISO 9001, ISO 14001, ISO 22000, OHSAS 18001

**Other systems:** HACCP, EFMA Product Stewardship, ISPS, IVG for Equipment Inspection

Health and safety indicators	
Employee sickness rate	4.1 %
LTI-rate for own employees	1.1
LTI-rate for contractors	3.1
LTI-rate for employees and contractors	1.9
TR1-rate for own employees	7.5
Major accidents during the year	0

### Community activities

- Site wide implementation of Synergi
- Behaviour project "Stop Think Act"
- Site wide investigation of use of breathing air apparatus
- Contribution Master class Responsible care
- Full optimisation of the emergency organisation
- Reinforcement of the permits in order to bring them in compliance with IPPC

Emissions and waste	Ton per year	% of permit	Possible impacts
CO <sub>2</sub> to air	2,273,385	-	Climate change, global warming effects
N <sub>2</sub> O to air	1,239	-	Climate change, global warming effects
NO <sub>x</sub> to air	557	19	Regional acid precipitation and local haze formation
NH <sub>3</sub> to air	557	48	Regional acid precipitation and local haze formation
Dust to air	761	61	Local nuisance and haze formation
N to water	134	185	Eutrophication (excess nutrients in waterways and algae blooming)
Hazardous waste	379	-	
Non-hazardous waste	2,288	-	

### Actions for further improvements

- Delivery of residual heat and CO<sub>2</sub> to green houses by "WarmCO<sub>2</sub>"
- Replacement of urea 5 and 6 solution production by New Urea 7 solution plant with significant higher capacity and impact on energy consumption and CO<sub>2</sub> emission
- Reducing transport of ammonia on the river Western Scheldt
- Several new behaviour based safety projects
- Adjustment of the policy for incident investigation and lessons to learn in compliance with the Scat methodology in Synergi
- Replacement of the old separate environmental permits by one environmental Site Permit

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

TR1 (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 or serious bodily harm, property damage or loss of production in excess of € 10 million, significant environmental incident