



Health, Safety & Environment fact sheet

Yara Sluiskil, 2009



Location: Sluiskil, Netherlands
Number of employees: 563

Annual production capacity (ton)
Ammonia: 1,700,000
Nitric acid: 1,500,000
Urea: 700,000
Nitrates: 1,800,000
UAN: 800,000

Certification: ISO 9001, ISO 14001, ISO 22000, OHSAS 18001

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

Health and safety indicators	
Employee sickness rate (%)	3.6
LTI-rate for own employees	1.1
LTI-rate for contractors	2.2
LTI-rate for employees and contractors	1.6
TRI-rate for own employees	4.3
Major accidents during the year	0

Plant energy and water consumption	
Energy consumption (TJ)	23,071
Water consumption (m ³)	3,825,675

Emissions and waste	Ton per year	% of permit	Possible impacts
CO ₂ to air	2,249,578	-	Climate change, global warming effects
N ₂ O to air	1,051	-	Climate change, global warming effects
NO _x to air	541	18	Regional acid precipitation and local haze formation
NH ₃ to air	503	43	Regional acid precipitation and local haze formation
Dust to air	677	54	Local nuisance and haze formation
N to water	94	129	Eutrophication (excess nutrients in waterways and algae blooming)
Hazardous waste	585	-	
Non-hazardous waste	2,867	-	

Actions for further improvements

- Delivery of residual heat and CO₂ to green houses through WarmCO₂ project
- Replacement of Urea 5 and 6 solution production by new Urea 7 solution plant with significant higher capacity and positive impact on energy consumption and CO₂ emission
- Reducing transport of ammonia on the river Western Scheldt
- Several new safety projects (Project Setting Safety Standard, Rule-based Behaviour Project, Golden Rules project)
- 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

Community activities

- Participation in master class safety and master class sustainable entrepreneurship
- Public advisory panel
- Distribution of annual sustainability report
- Sponsoring of annual village festival and classical concert series in the region
- Exhibitions at regional schools/universities to attract new employees

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

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