



Health, Safety & Environment fact sheet

Yara Sluiskil, 2010



Location: Sluiskil, Netherlands
Number of employees: 563

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

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

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

Health and safety indicators	
Employee sickness rate (%)	3.4
LTI-rate for own employees	0
LTI-rate for contractors	3.3
LTI-rate for employees and contractors	1.3
TRI-rate for own employees	1.1
Major accidents during the year	0

Emissions and waste	Ton per year	% of permit	Possible impacts
CO ₂ to air	2,641,375	-	Global warming effects
N ₂ O to air	787	-	Global warming effects
NO _x to air	722	24	Acidification and haze formation
NH ₃ to air	449	38	Acidification and haze formation
Dust to air	653	52	Local nuisance and haze formation
N to water	95	130	Eutrophication (algae growth)
Hazardous waste	251	-	
Non-hazardous waste	1,987	-	

Actions for further improvements

- Delivery of residual heat and CO₂ to green houses by “WarmCO₂”
- Replacement of urea 5 and 6 solution production by New Urea 7 solution plant with significant higher capacity and impact on energy consumption and CO₂ emission. Under construction
- Extra N₂O reduction on nitric acid plant 7 by increasing the catalyst content
- Project to increase the focus on process safety
- Improvement of the internal audit methodology.
- Improvement of “lessons to learn”
- Replacement of the old separate environmental permits by one environmental Site Permit

- Digitalisation soil mapping site.
- Further research of the possible N reduction of the waste water and dust emission to air.

Community activities

- Participation in master class safety and master class sustainable entrepreneurship.
- Public’s advisory panel.
- Distribution of annual sustainability report.
- Sponsoring the annual 4 days village festival and the classical concert series in the region
- Exhibitions at regional schools/universities to attracts 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 € 10 million, significant environmental incident