



Health, Safety & Environment fact sheet

Yara Rostock, 2009



Location: Rostock, Germany

Number of employees: 205

Number of trainees: 27

Annual production capacity (ton)

Nitric acid: 1,100,000

Nitrates: 1,400,000

UAN: 900,000

Certification:

ISO 9001, ISO 14001, OHSAS 18001

Other systems:

HACCP, EFMA Product Stewardship, ISPS

Health and safety indicators	
Employee sickness rate (%)	3.5
LTI-rate for own employees	0
LTI-rate for contractors	0
LTI-rate for employees and contractors	0
TRI-rate for own employees	2.7
Major accidents during the year	0

Plant energy and water consumption	
Energy consumption	
CAN (kWh/ton)	26
Nitric acid (kWh/ton)	21
Water consumption (m ³)	1,768,500

Emissions and waste	Ton per year	% of permit	Possible impacts
CO ₂ to air	6,466	-	Climate change, global warming effects
N ₂ O to air	1,843	-	Climate change, global warming effects
NO _x to air	344	29	Regional acid precipitation and local haze formation
SO ₂ to air	7	88	Regional acid precipitation and local haze formation
Dust to air	217	66	Local nuisance and haze formation
N to water	7	43	Eutrophication (excess nutrients in waterways and algae blooming)
P to water	1	56	Eutrophication (excess nutrients in waterways and algae blooming)
Hazardous waste	143	-	
Non-hazardous waste	376	-	
Waste water sludge	2,257	-	

Actions for further improvements

- Third party audit of ISO, OHSAS and energy management certifications
- Inspection of all subterranean chemical basins
- Complete revamp of insulation and fundamentals of ammonia tanks (long-term program started 2008)
- Ongoing HAZOP/SIL analyses of process plants

Community activities

- Meetings on regular basis
- Installed DeNO_x and N₂O catalyst in both nitric acid plants
- Sponsoring of local initiatives (sports, science etc)
- Open door day every three years

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.