



Health, Safety & Environment fact sheet

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Location: Köping, Sweden

Number of employees: 97

Annual production capacity (ton)

Nitric acid: 300,000

Nitrates: 300,000

Certification:

ISO 9001, ISO 14001, OSHAS 18001

Other systems

HACCP, EFMA Product Stewardship, ISPS

Health and safety indicators	
Employee sickness rate (%)	2.2
LTI rate for own employees	0
LTI rate for contractors	0
LTI rate for employees and contractors	0
TRF rate for employees and contractors	15.4
Major accidents during the year	0
Number of permit breaches	4

Plant energy and water consumption	
Energy consumption (GWh)	
Electricity	48.3
Water consumption (1000 m3)	
Cooling water	17,367
Tap water	323

Emissions and waste	Ton per year	% of permit	Possible impacts
CO ₂ to air	327	-	Climate change, global warming effects
N ₂ O to air	983	-	Climate change, global warming effects
NO _x to air (as NO ₂)	174	48	Regional acid precipitation and local haze formation
NH ₃ to air	5.2	6	Regional acid precipitation and local haze formation
Dust to air	23	48	Local nuisance and haze formation
N to water	41	45	Eutrophication (excess nutrients in waterways and algae blooming)
F to water	0.4	12	Eutrophication (excess nutrients in waterways and algae blooming)
Hazardous waste	36	-	
Non-hazardous waste	275	-	

Actions for further improvements

- New environmental permit agreement
- DeN₂O catalyst implementation
- NO_x emission reduction during stop and start up of NA2 (H₂O₂ injection during the bypass of NO_x reactor)
- Inventory of noise sources to reduce noise from the plant, specifically during night time (49 dB -> 45 dB)

Community activities

- Delivery of district heating of 112 GWh

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

TRF (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.