



Health, Safety & Environment fact sheet

Yara Porsgrunn, 2009



Location: Porsgrunn, Norway

Number of employees: 391

Annual production capacity (ton)

Ammonia: 500,000

Nitric acid: 1,500,000

NPK: 2,000,000

Calcium nitrate: 600,000

Certification: ISO 9001, ISO 14001, OSHAS 18001

Other systems:

HACCP, EFMA Product Stewardship, ISPS

Health and safety indicators	
Employee sickness rate (%)	5.5
LTI-rate for own employees	0
LTI-rate for contractors	0
LTI-rate for employees and contractors	0
TRF-rate for own employees	3.6
Major accidents during the year	0

Plant energy and water consumption	
Energy consumption (ammonia plant, GJ/t NH ₃)	30.3
Water consumption (m ³ /hour)	19,950

Emissions and waste	Ton per year	% of permit	Possible impacts
CO ₂ to air	634,445	86	Climate change, global warming effects
N ₂ O to air	1,060	20	Climate change, global warming effects
NO _x to air	665	40	Regional acid precipitation and local haze formation
NH ₃ -N to air	207	64	Regional acid precipitation and local haze formation
F to air	2.6	30	Regional acid precipitation and local haze formation
Dust to air	289	62	Local nuisance and haze formation
N to water	546	60	Eutrophication (excess nutrients in waterways and algae blooming)
P to water	5.5	52	Eutrophication (excess nutrients in waterways and algae blooming)
Hazardous waste	96	-	
Catalyst for recover	0	-	
Non-hazardous waste	4,021	-	

Actions for further improvements

- Conduct COPD-project to look at possible relations between reduced lung function among employees and their occupational environment
- Continue behavior-based safety program
- Stabilize NO₂ and N₂O levels from nitric acid plants on new and reduced levels

Community activities

- Sponsoring of:
- Sports clubs for youth
 - Premier league football club
 - Cultural events

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.