



Health, Safety & Environment fact sheet

Yara Porsgrunn, 2008



Location: Porsgrunn, Norway

Number of employees: 390

Annual production capacity

Ammonia: 500,000 tons

NPK fertilizers: 2,000,000 tons

Calcium nitrate: 600,000 tons

Certification:

ISO 9001, ISO 14001

Other systems:

HACCP, EFMA Product Stewardship, ISPS

Health and safety indicators	
Employee sickness rate	5.8 %
LTI-rate for own employees	1.2
LTI-rate for contractors	0
LTI-rate for employees and contractors	1.1
TRI-rate for own employees	3.5
Major accidents during the year	1

Community activities

- Sports clubs for youth
- Premier league clubs, football & handball
- Cultural events

Emissions and waste	Ton per year	% of permit	Possible impacts
CO ₂ to air	699,764	98	Climate change, global warming effects
N ₂ O to air	2,076	48	Climate change, global warming effects
NO _x to air	826	50	Regional acid precipitation and local haze formation
NH ₃ -N to air	277	86	Regional acid precipitation and local haze formation
F to air	1.8	20	Regional acid precipitation and local haze formation
Dust to air	350	75	Local nuisance and haze formation
N to water	726	80	Eutrophication (excess nutrients in waterways and algae blooming)
P to water	8	76	Eutrophication (excess nutrients in waterways and algae blooming)
Hazardous waste	128	-	
Catalyst for recover	247	-	
Non-hazardous waste	2,047	-	

Actions for further improvements

- Evaluation and implementation of risk reducing measures in ammonia tanks
- Conduct the COPD project to look at possible relations between reduced lung function among employees and their occupational environment
- Conduct the BBS program to improve safety behavior
- Stabilize NO₂ and N₂O levels from the nitric acid plants on new, reduced levels

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