



Health, Safety & Environment fact sheet

Yara Siilinjärvi, 2008



Location: Siilinjärvi, Finland

Number of employees: 341

Annual production capacity

NPK fertilizers: 500,000 tons

Phosphoric acid: 300,000 tons

Certification:

ISO 9001, ISO 14001

Other systems:

EFMA Product Stewardship, HACCP

Health and safety indicators	
Employee sickness rate	5.1 %
LTI-rate for own employees	5.0
LTI-rate for contractors	20.4
LTI-rate for employees and contractors	8.0
TRI-rate for own employees	18.2
Major accidents during the year	0

Community activities

- Plant fire brigade acts a part of local emergency services
- Sponsoring of company sports association and hunting association

Emissions and waste	Ton per year	% of permit	Possible impacts
NH ₄ -N to air	97	49	Regional acid precipitation and local haze formation
NO ₃ -N to air	32	64	Regional acid precipitation and local haze formation
F to air	3.6	47	Regional acid precipitation and local haze formation
SO ₂ to air	1,074	77	Regional acid precipitation and local haze formation
N ₂ O to air	1,101	-	Climate change, global warming effects
NO _x to air	167	84	Regional acid precipitation and local haze formation
CO ₂ to air	64,000	-	Climate change, global warming effects
Dust to air	37	74	Local nuisance and haze formation
P to water	1,1	60	Eutrophication (excess nutrients in waterways and algae blooming)
NH ₄ -N to water	19.7	180	Eutrophication (excess nutrients in waterways and algae blooming)
Hazardous waste	112	-	
Non-hazardous waste	2,253	-	
On-site landfilling *)	11,149 kt	-	

*) gypsum, calcine, rock, sand

Actions for further improvements

- Conformance with Yara standards (TOPS), targets and upper level procedures
- OHSAS 18001 (certificate in 2009)
- HACCP conformance

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