



Health, Safety & Environment fact sheet

Yara Siilinjärvi, 2010



Location: Siilinjärvi, Finland

Number of employees: 348

Annual production capacity (ton)

Nitric Acid: 200,000

Phosphoric Acid: 300,000

NPK: 500,000

Certification:

ISO 9001, ISO 14001, ISO 18001

Other systems:

HACCP, EFMA Product Stewardship

Health and safety indicators	
Employee sickness rate (%)	4.6
LTI-rate for own employees	0
LTI-rate for contractors	15.2
LTI-rate for employees and contractors	2.9
TRI-rate for own employees	5.4
TRI-rate for employees and contractors	10.1
Major accidents during the year	0

Emissions and waste	Ton per year	% of permit	Possible impacts
CO ₂ to air	57,526	-	Global warming effects
N ₂ O to air	88	-	Global warming effects
NH ₄ -N to air	136	68	Acidification and haze formation
NO ₃ -N to air	45	91	Acidification and haze formation
F to air	5.5	69	Acidification
SO ₂ to air	1,377	104	Acidification
NO _x to air	145	73	Acidification and haze formation
Dust to air	38	77	Local nuisance and haze formation
P to water	1	35	Eutrophication (algae growth)
NH ₄ -N to water	18	160	Eutrophication (algae growth)
Hazardous waste	110	-	
Non-hazardous waste	8,876	-	
On-site landfilling *)	11,248,000	-	

*) gypsum, calcine, rock, sand

Actions for further improvements

- Increase coached observations (behavior based safety program)
- Sulphuric acid plant investments
- Gypsum piling area investments

Community activities

- Plant fire brigade acts as a part of local emergency services
- Sponsoring of company sports association and hunting association
- Siilinjärvi has received composted municipal waste for landscaping the landfilling areas

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