



# 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 <sub>4</sub> -N to air	97	49	Regional acid precipitation and local haze formation
NO <sub>3</sub> -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 <sub>2</sub> to air	1,074	77	Regional acid precipitation and local haze formation
N <sub>2</sub> O to air	1,101	-	Climate change, global warming effects
NO <sub>x</sub> to air	167	84	Regional acid precipitation and local haze formation
CO <sub>2</sub> 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 <sub>4</sub> -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