



Health, Safety & Environment fact sheet

Yara Ferrara, 2009



Location: Ferrara, Italy

Number of employees: 124

Annual production capacity (ton)

Ammonia: 600,000

Urea: 500,000

Certification: ISO 9001, ISO 14001

Other systems:

HACCP, EFMA Product Stewardship

Health and safety indicators	
Employee sickness rate (%)	1.9
LTI-rate for own employees	6
LTI-rate for contractors	0
LTI-rate for employees and contractors	6
TRI-rate for own employees	9
Major accidents during the year	0

Plant energy and water consumption	
Energy consumption (MWh)	4,741,616
Water consumption (m ³)	5,933,000

Emissions and waste	Ton per year	% of permit	Possible impacts
CO ₂ to air	534,515	-	Climate change, global warming effects
NH ₃ to air	53	50	Climate change, global warming effects
NO _x to air	563	54	Regional acid precipitation and local haze formation
Dust to air	11	14	Local nuisance and haze formation
N to water	24	46	Eutrophication (excess nutrients in waterways and algae blooming)
Hazardous waste	207	-	
Non-hazardous waste	1,559	-	

Actions for further improvements

- Behavior-based safety program
- EMAS certificate for the whole Ferrara plant
- Conformance with Yara standards
- Land and groundwater reclamation
- OSHAS 18001 certificate

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

"Ton" in this document refers to metric ton, equal to 1000 kilograms.