



# Health, Safety & Environment fact sheet

## Yara Ravenna, 2008



**Location:** Ravenna, Italy

**Number of employees:** 149

**Annual production capacity**  
**NPK fertilizers:** 300,000 tons  
**Nitrates:** 400,000 tons

**Certification:**  
 ISO 9001, ISO 14001

**Other systems:**  
 HACCP, EFMA Product Stewardship

Health and safety indicators	
Employee sickness rate	3.6 %
LTI-rate for own employees	0
LTI-rate for contractors	0
LTI-rate for employees and contractors	0
TRI-rate for own employees	0
Major accidents during the year	0

Emissions and waste	Ton per year	% of permit	Possible impacts
CO <sub>2</sub> to air	12,277	-	Climate change, global warming effects
N <sub>2</sub> O to air	836	-	Climate change, global warming effects
NO <sub>x</sub> to air	272	34	Regional acid precipitation and local haze formation
NH <sub>3</sub> to air	94	40	Regional acid precipitation and local haze formation
F to air	1,9	22	Regional acid precipitation and local haze formation
Dust to air	210	50	Local nuisance and haze formation
N to water	*181	44	Eutrophication (excess nutrients in waterways and algae blooming)
P to water	*12	41	Eutrophication (excess nutrients in waterways and algae blooming)
Hazardous waste	24	-	
Non-hazardous waste	689	-	

\*Amounts delivered to external treatment plant

### Actions for further improvements

- SES (behaviour based safety program)
- Recovering and treat first rainoff water
- Conformance with Yara standards
- SIL in ammonia pressurized storage
- Project to reduce dust emission from CAN prilling tower
- OHSAS 18001 certification process

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