



# Health, Safety & Environment fact sheet

## Yara Le Havre, 2009



**Location:** Le Havre, France

**Number of employees:** 111

**Annual production capacity (ton)**

**Ammonia:** 400,000

**Urea:** 200,000 \*

**Certification:**

ISO 9001, ISO 14001, OHSAS 18001

**Other systems:**

HACCP, EFMA Product Stewardship, ISPS

\* 47.85% joint venture share of production

Health and safety indicators	
Employee sickness rate (%)	1.8
LTI-rate for own employees	0
LTI-rate for contractors	17.9
LTI-rate for employees and contractors	8.1
TRI-rate for own employees	0
Major accidents during the year	0

Plant energy and water consumption	
Energy consumption (MWh)	3,281,936
Water consumption (m <sup>3</sup> )	1,966,539

Emissions and waste	Ton per year	% of permit	Possible impacts
CO <sub>2</sub> to air	428,165	-	Climate change, global warming effects
N <sub>2</sub> O to air	11	-	Climate change, global warming effects
NO <sub>x</sub> to air	593	-	Regional acid precipitation and local haze formation
NH <sub>3</sub> to air	234	-	Regional acid precipitation and local haze formation
Dust of urea to air	285	-	Local nuisance and haze formation
N to water	178	54	Eutrophication (excess nutrients in waterways and algae blooming)
Hazardous waste	58	-	
Non-hazardous waste	136	-	

### Actions for further improvements

- IPPC: Implementation of improvements requested by authorities and adherence to new emissions regulations
- CESAR (behavior-based safety program): Continue training, and increasing contact rate
- PPRT (risk evaluation and emergency preparedness): Implementation of new process safety barriers requested by authorities and update of emergency plan in line with major accident risk evaluation

- Integrated certification: Integration of improved environmental risk analysis and chemical exposure risks for workers (in line with French regulations)

### Community activities

- AUPAES (local association)
- CCI (chemicals industries association)
- UIC (chemicals industries syndicate)

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 € x million, significant environmental incident

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