



Health, Safety & Environment fact sheet

Yara Porsgrunn, 2008



Location: Porsgrunn, Norway

Number of employees: 390

Annual production capacity

Ammonia: 500,000 tons

NPK fertilizers: 2,000,000 tons

Calcium nitrate: 600,000 tons

Certification:

ISO 9001, ISO 14001

Other systems:

HACCP, EFMA Product Stewardship, ISPS

| Health and safety indicators | |
|--|-------|
| Employee sickness rate | 5.8 % |
| LTI-rate for own employees | 1.2 |
| LTI-rate for contractors | 0 |
| LTI-rate for employees and contractors | 1.1 |
| TRI-rate for own employees | 3.5 |
| Major accidents during the year | 1 |

Community activities

- Sports clubs for youth
- Premier league clubs, football & handball
- Cultural events

| Emissions and waste | Ton per year | % of permit | Possible impacts |
|---------------------------|--------------|-------------|---|
| CO ₂ to air | 699,764 | 98 | Climate change, global warming effects |
| N ₂ O to air | 2,076 | 48 | Climate change, global warming effects |
| NO _x to air | 826 | 50 | Regional acid precipitation and local haze formation |
| NH ₃ -N to air | 277 | 86 | Regional acid precipitation and local haze formation |
| F to air | 1.8 | 20 | Regional acid precipitation and local haze formation |
| Dust to air | 350 | 75 | Local nuisance and haze formation |
| N to water | 726 | 80 | Eutrophication (excess nutrients in waterways and algae blooming) |
| P to water | 8 | 76 | Eutrophication (excess nutrients in waterways and algae blooming) |
| Hazardous waste | 128 | - | |
| Catalyst for recover | 247 | - | |
| Non-hazardous waste | 2,047 | - | |

Actions for further improvements

- Evaluation and implementation of risk reducing measures in ammonia tanks
- Conduct the COPD project to look at possible relations between reduced lung function among employees and their occupational environment
- Conduct the BBS program to improve safety behavior
- Stabilize NO₂ and N₂O levels from the nitric acid plants on new, reduced levels

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