Production of oil and gas on the NCS

Source: MPE/NPD
Government’s net cash flow from petroleum 1978-2003

Source: National account and state budget

*estimates
Sources of Norwegian CO₂ emissions, 2002

- Road traffic: 23%
- Petroleum activities: 28%
- Heating: 17%
- Other industrial processes: 17%
- Other mobile sources: 6%
- Coastal traffic and fishing: 9%
- Coastal traffic and fishing: 9%
Taxed CO₂ emissions from petroleum operations by source, 2002

- Stationary sources offshore: 88%
- Exploration drilling: 2%
- Production drilling: 1%
- Process emissions: 6%
- Gas terminals: 3%

Source: MPE/NPD
Taxed CO$_2$ emissions from oil and gas production by source, 2002

- Fuel gas: 86%
- Diesel: 4%
- Flaring: 10%

Source: NPD
Total CO$_2$ emissions from the Norwegian petroleum sector

Source: MPE/NPD
Emissions of taxed CO$_2$ per unit produced

Source: NPD
NO$_X$ emission sources in Norway, 2002

- Coastal traffic and fishing: 37%
- Petroleum operations: 23%
- Road traffic: 21%
- Other industrial processes: 4%
- Heating: 7%
- Other mobile sources: 8%

Source: Statistics Norway
NO$_X$ emissions from oil and gas production by source, 2002

- Fuel gas: 71%
- Diesel: 17%
- Flaring: 12%

Source: NPD
Total NO$_X$ emissions from the Norwegian petroleum sector

Source: MPE/NPD
Discharges of $\text{NO}_x$ per unit produced

Source: MPE/NPD
Sources of Norwegian nmVOC emissions, 2002

- Petroleum activities: 63%
- Road traffic: 10%
- Other mobile sources: 5%
- Other industrial processes: 18%
- Heating: 3%
- Coastal traffic and fishing: 1%

Source: Statistics Norway
Sources of nmVOC emissions from the petroleum sector, 2002

- Diffuse emissions: 3%
- Terminals: 10%
- Fuel: 1%
- Offshore loading: 86%

Source: NPD
Total emissions of nmVOC from the petroleum sector

Source: MPE/NPD
nmVOC emissions per unit produced

Source: MPE/NPD
Chemical discharges on the NCS by activity, 2002

- Drilling chemicals: 81%
- Gas treatment chemicals: 6%
- Production chemicals: 5%
- Pipeline chemicals: 1%
- Other chemicals: 7%

Source: SFT
Total chemicals discharged from Norwegian petroleum operations

Source: SFT
Volumes of produced water discharged, historical and forecast

Source: NPD
Discharges of drilling chemicals per metre drilled

Source: SFT/NPD
Oil discharges on the NCS by activity, 2002

- Produced water: 88%
- Ballast and drainage water: 9%
- Acute discharges: 3%

Source: SFT
Discharges of oil per cubic metre of produced water

Source: SFT
Content of production, injection, and pipeline chemicals in produced water

Source: SFT
Acute oil spills over one tonne

Source: SFT
Internettadresse - Internet address

www.oed.dep.no

www.mpe.dep.no