

## Natural Gas Safety

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### USES AND RESOURCES OF NATURAL GAS

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#### Summary

This Discipline Information Note summarises a recent literature review by W S Atkins<sup>(1)</sup>, which looked at uses and resources of natural gas.

#### Objectives

The aim of the review was to inform HSE of the possible new areas of work that would require technical input, now and in future years.

The objectives of the review were to provide information on:

- current usage of natural gas;
- probable future developments for natural gas;
- the current availability of natural gas and possible sources in the future.

#### The Work

The work carried out included:

- searching databases;
- contacting relevant professional institutions and industry associations.

#### Results

The results show that:

- current usage is dominated by the domestic market and power generation;
- future usage is likely to include natural gas vehicles, refrigeration and air conditioning plant;
- UK gas reserves could last 30 to 70 years at present production / usage rates;
- when identified European reserves run out, the UK could import gas particularly from the CIS, North Africa and the Middle East;
- an increase in shipping of gas as LNG is likely.

#### References

1 Uses and resources of natural gas; Siddique A, Landers D. CRR 138/1997.