

NGP Gas Specification

The **Gas Specification** is:

- (a) the specifications for “fuel gas” imposed under the *Petroleum and Gas (Production and Safety) Act 2004* (Qld) which adopts the specification set out in Australian Standard “AS 4564 – specification for general purpose natural gas” (2011) (as set out below); and
- (b) any additional parameters lawfully required by the APA Group for receipt of gas at the connection between the Pipeline and the Carpentaria Gas Pipeline.

SPECIFICATION LIMITS

Characteristics and components	Limit	
	Wobbe Index	Minimum
	Maximum	52.0 MJ/m ³
Gross heating value	Maximum	42.3 MJ/m ³
Oxygen	Maximum	0.2 mol%
Hydrogen sulphide	Maximum	5.7 mg/m ³
Total sulphur	Maximum	50 mg/m ³
Water content	Maximum	Dewpoint 0°C at the highest MAOP in the relevant transmission system (in any case, no more than 112.0 mg/m ³)
Hydrocarbon dewpoint	Maximum	2.0°C at 3500 kPa gauge
Total inert gases	Maximum	7.0 mol%
Oil	Maximum	20 mL/TJ

CONTAMINANTS

The gas shall not contain-

- (a) materials, dust, and other solid or liquid matter, waxes, gums, gum forming constituents, and unsaturated or aromatic hydrocarbons to an extent which might cause damage to, or interfere with the proper operation of, pipes, meters, regulators, control systems, equipment or appliances or which might cause the gas to be harmful or toxic to persons having contact with it in normal work operations or usage;
- (b) unsaturated or aromatic hydrocarbons to an extent that causes unacceptable sooting; or
- (c) other substances to the extent that they cause damage to, or problems in operation of, pipelines or appliances or that cause the products of combustion to be toxic, or hazardous to health, other than substances that are usually found in natural gas combustion products.