

FUELS SAFETY DIVISION

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GUIDELINES FOR DEVELOPMENT IN THE VICINITY OF OIL AND GAS PIPELINE FACILITIES

CRITERIA

The following guidelines pertain to developments in the vicinity of steel oil and gas pipelines with a maximum operating pressure (MOP) greater than 1900 kPa.

DEFINITIONS

Pipeline operator means the individual, partnership, corporation, public agency, or other entity that operates the pipeline system.

Specified Minimum Yield Strength (SMYS) means the minimum yield strength prescribed by the specification or standard under which the pipe material is purchased.

Yield strength means the stress at which material exhibits the specified limiting offset or produces a specified total elongation under load in a tensile test as specified in the specification or standard under which the material is purchased.

USE OF EASEMENT

For pipelines located on easements, the entire width of the oil and gas pipeline easement shall be kept clear of all structures. The easements may be incorporated into subdivision plans as green space, walkways, or bicycle paths but shall not be incorporated into individual lots. With prior approval of the pipeline operator, certain other uses such as light weight vehicle parking lots or temporary storage areas may be acceptable, provided that the goods or materials can be removed quickly in case of an emergency. The piling up of garbage, dirt or industrial waste shall not be permitted at any time.

Limits of the easement parallel to the pipeline shall be identified with fencing or equivalent markings to prevent gradual encroachment by adjacent landowners. Suitable barriers shall be installed at all road accesses to prevent unauthorized motor vehicles from entering.

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MINIMUM SETBACKS

For oil and gas pipelines operating at a stress level below 40% of SMYS no additional setbacks are required beyond the limits of the easement.

For oil and gas pipelines operating at a stress level in excess of 40% SMYS, a minimum setback of 20 metres shall be maintained from the centerline of the pipeline to dwellings intended for human occupancy. A minimum setback of 200 metres shall be maintained from the centerline of pipelines to institutions where rapid evacuation may be difficult, such as hospitals, nursing homes, penal institutions, and institutions for the physically and mentally handicapped.

PUMPS AND COMPRESSORS

Dwellings intended for human occupancy shall be situated to provide a minimum setback of 100 metres from pumps and compressors