

# South Australia Planning, Development and Infrastructure ACT 2016

Representation on Application

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## Consultation Document Submissions

Part 3 - Overlays > Gas and Liquid Petroleum Pipelines Overlay

- Support
- Oppose
- Amend

### Your Feedback

I strongly support the provision of the Gas and Liquid Petroleum Pipelines Overlay proposed in the *Revised Planning and Design Code for Phase Three*.

For background, I was the inaugural General Manager of the SEA Gas pipeline before retiring in 2016, prior to that I was the State Manager for Epic Energy in South Australia and I have been both President and a long-time Member of the Australian Pipeline Industry Association (now called the Australian Pipelines and Gas Association).

Gas transmission pipelines operate at extremely high pressures (as an example the maximum allowable operating pressure in the SEA Gas pipeline is in excess of 70 times the pressure in the average car tyre) and as a result, in the extremely unlikely event of a rupture of the pipeline, the radius of radiation intensity impact from an explosion can be of the order of 600 metres from the pipeline centreline. Accordingly, it is essential that the Operators of gas transmission pipelines are aware of proposed developments within this 'Consequence' distance either side of the pipeline. That is, it is not just the easement in which the pipeline is buried that is critical, it is a far greater zone.

Given early advice of a development proposal, the Pipeline Operator and the Developer can sit down together and undertake a risk assessment. When this is undertaken at the early stage of a proposed development an accommodation can usually be reached that is satisfactory to both parties. The issue arises when a Pipeline Operator is not made aware of a proposed development near the pipeline early enough; making it very difficult for the Developer and the Pipeline Operator to make ready accommodations.

The excellent initiative by PlanSA of the Gas and Liquids Petroleum Overlay will provide a clear spatial indication to parties interested in the land near gas and liquids pipelines that they must consider and factor in the pipeline Consequence Zone as part of their overall development analysis – an essential first step. And, critically, that they should make early contact with the Pipeline Operator to address their initial plans.

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### Part 3 - Overlays > Gas and Liquid Petroleum Pipelines (Facilities) Overlay

- Support
- Oppose
- Amend

#### Your Feedback

I strongly support the provision of the Gas and Liquid Petroleum Pipelines (Facilities) Overlay proposed in the *Revised Planning and Design Code for Phase Three*.

Like the Gas and Liquid Pipeline Overlay, this Facilities Overlay provides a clear spatial indication to parties interested in the land near the facilities of gas and liquid pipelines that there is a zone around these facilities (such as venting facilities) that they must consider and factor in as part of their overall development analysis.

For background, I was the inaugural General Manager of the SEA Gas pipeline before retiring in 2016, prior to that I was the State Manager for Epic Energy in South Australia and I have been both President and a long-time Member of the Australian Pipeline Industry Association (now called the Australian Pipelines and Gas Association).

Gas transmission pipelines operate at extremely high pressures (as an example the maximum allowable operating pressure in the SEA Gas pipeline is in excess of 70 times the pressure in the average car tyre). In the extremely unlikely event of a major incident on a pipeline, it may be necessary to expeditiously depressurise the section of pipeline affected. In order to do this, the gas contained in the pipeline must be vented to atmosphere. The noise caused by such venting can be extremely high, to the extent that anyone without suitable hearing protection would suffer excruciating pain. Accordingly, it is essential that the Operators of gas transmission pipelines are aware of proposed developments within the designated zone around the facility. It is not just the easement on which the facility is located that is critical, it is a far greater zone.

Given early advice of a development proposal, the Pipeline Operator and the Developer can sit down together and undertake a risk assessment. When this is undertaken at the early stage of a proposed development an accommodation can usually be reached that is satisfactory to both parties. The issue arises when a Pipeline Operator is not made aware of a proposed development near the pipeline facility early enough; making it very difficult for the Developer and the Pipeline Operator to make ready accommodations.

The excellent initiative by PlanSA of the Gas and Liquids Petroleum (Facilities) Overlay will provide a clear spatial indication to parties interested in the land near the facility that there is a zone around that facility within which they must consider the compatibility of their proposed development with the facility. For example, the compatibility of a proposed development with the potential for extremely high noise and the presence of gas in the atmosphere in the unlikely event of an incident. This awareness by interested parties is an essential first step. And, critically, these parties should make early contact with the Pipeline Operator to address their initial plans.