

Land care

South East Queensland (SEQ) is one of the fastest growing regions in Australia, with the population set to increase significantly in the next 25 years. A secure water supply is essential.

The Northern Pipeline Interconnector (NPI) – Stage 2 is a vital piece of infrastructure designed to help secure the water supply for the Sunshine Coast region. It involves construction of an underground, reverse-flow pipeline from the Noosa Water Treatment Plant (WTP) to NPI – Stage 1 at Eudlo.

The Northern Network Alliance (NNA) has been engaged by LinkWater Projects, a government owned company, to design and construct NPI – Stage 2. The NNA consists of LinkWater Projects, McConnell Dowell, Abigroup and KBR.

Land care and the pipeline

How we manage and rehabilitate the environment along the pipeline corridor is critically important in the construction of the NPI – Stage 2.

The NNA is committed to rehabilitating land disturbed during pipeline construction. In order to achieve this, the team will be implementing measures during and after construction to reduce the potential impact of work on your property.

During construction

During the construction phase of the project, the NNA will be required to manage a number of issues on the ground. These include:

Erosion and sediment

The earthworks required to build an underground pipeline can increase the risk of erosion.

The NNA will manage erosion control by:

- working within small sections of the corridor at a time
- limiting vegetation clearing only to necessary areas
- clearing only once construction is ready to commence
- starting revegetation as soon as practical following construction.

In addition to this work, the NNA will put in place appropriate sediment control measures and methods including:

- constructing various sediment controls in accordance with the Sunshine Coast Regional Council's Maroochy Manual for Erosion and Sediment Control
- conducting regular inspections and maintenance of controls
- water quality monitoring.



Sediment control measure

Weed management

Weed management is a key issue for areas used for cropping and grazing. The NNA will implement measures to reduce the risk of weeds spreading within the pipeline corridor. These measures include:

- field surveys to identify noxious weeds
- all vehicles and plant equipment must be declared weed free prior to entry to reduce the risk of spreading weeds within the area.

Waste management

The NNA reduces the risk of environmental harm by managing waste produced during construction. Protocols that will be established for waste management include:

- inspection, recording and appropriate storage of all waste and materials. This reduces waste and minimises the risk of pollution
- where possible, waste will be recycled
- training and equipping all project staff to correctly handle and dispose of construction waste.



Rehabilitated road and reserve after pipeline construction

- hand seeding
- planting of selected tube stock
- fertiliser where necessary
- installation of erosion controls such as rock protection and/or erosion protection matting
- hydromulching
- mulching
- weed control
- watering.

The NNA will closely monitor the progress of the corridor for 12 months after construction and will undertake additional works where necessary to ensure rehabilitation is successful.

After construction

The corridor will be rehabilitated as soon as practical following the construction of the pipeline. Rehabilitation involves respreading the subsoil and topsoil, contouring the land and revegetating the area.

In planning rehabilitation, the NNA will:

- consult with the landowner
- survey the corridor to identify sensitive areas, regional ecosystems or areas of flora and fauna significance
- conduct a photographic survey prior to construction to understand the condition of the corridor
- develop site-specific revegetation plans.

In rehabilitating the pipeline corridor, the NNA will use the most appropriate method to quickly and successfully revegetate specific areas. Techniques and methods used can include:

- tractor seeding (plough or drill seeding) of grasses or shrubs



Energy easement rehabilitated after construction

The NNA is committed to achieving a high level of environmental performance. By working closely with landowners and all stakeholders, we will produce positive environmental outcomes.



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Water Project

