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 Australia

REGIONAL PLANNING INTERESTS ACT 2014 Assessment Application Supporting Information

ATTACHMENT A



REGIONAL PLANNING INTERESTS ACT 2014 Assessment Application Supporting Information

Australia

REPORT

CARRYING OUT A RESOURCE ACTIVITY (PETROLEUM AND GAS) -STRATEGIC CROPPING AREA



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1. SCOPE

It has been determined that the proposed Queensland Nitrates Pipeline Project does not fall within the parameters of the *Regional Planning Interests Act 2014* (RPI Act) exemptions, and Queensland Nitrates Pty Ltd (QNP) have therefore prepared this report in support of an application for Regional Assessment pursuant to the RPI Act for a Strategic Cropping Area (SCA).

This report addresses the requirements for making an assessment application pursuant to section 29(b) of the RPI Act by:

- assessing the resource activity's impact on the area of regional interest and
- identifying any constraints on the configuration or operation of the activity.

2. BACKGROUND

Queensland Nitrates Pty Ltd (QNP) is a joint venture involving Dyno Nobel and CSBP (Wesfarmers). Incitec Pivot Pty Ltd acquired Dyno Nobel in 2008.

QNP operates a fully integrated ammonium nitrate facility located off Three Chain Road, near Moura in Central Queensland. It is designed to produce 230,000 tonnes per year of ammonium nitrate, which is a strategic resource to help sustain the competitiveness of Queensland's mining industry. QNP is focused on continuing to provide ammonium nitrate products to the Queensland mining sector and supporting the local community.

QNP is currently provided with natural gas feedstock from the Queensland Gas Pipeline (QGP), via the Moura Pipeline and the Dawson Valley Pipeline. The owners of the Moura and Dawson Valley pipelines have advised QNP that beyond 2015 these pipelines will not be available for the purpose of transporting natural gas to the QNP site from the QGP. Further, QNP has also been informed that capacity restrictions on these pipelines may occur during 2015.

The QNP plant operation relies exclusively on natural gas as a feedstock in the production of ammonia and ammonium nitrate, and is unable to operate in the absence of a reliable gas supply.

As a result, QNP is proposing to construct a gas transmission pipeline, connected to the QGP, to provide certainty of gas supply from the QGP. It is intended that the QNP facility would be the foundation customer of the new pipeline, however the pipeline may provide regional gas supply capacity from the QGP for future industrial developments in the area, or may facilitate additional capacity for gas delivery to the QGP from regional gas producers.

The Queensland Nitrates Pipeline Project is a priority project for QNP, and represents a major investment in maintaining a consistent supply of gas to the QNP Ammonium Nitrates facility.



QNP has undertaken detailed studies to identify the land required for the transportation of gas as part of the Queensland Nitrates Pipeline Project. We have sought to minimise impacts on existing land uses, infrastructure, cultural heritage and environmentally sensitive areas in identifying suitable land.

3. OVERVIEW

QNP is proposing to build a pipeline (approximately 18 km in length) from the Queensland Gas Pipeline (owned by Jemena) to facilitate the supply of gas to their Ammonium Nitrate Facility located on Lot 4 on Plan SP101809 near Moura in the Banana Shire Council area of Central Queensland. The majority of the proposed pipeline will be located in private land to the west of the Theodore-Baralaba Road following the existing Dawson Valley Pipeline (DVP) route, crossing the Theodore-Baralaba Road adjacent the Moura Pipeline crossing, then along private land to the east of the Theodore-Baralaba Road adjacent to the Moura Pipeline at the southern end, across the highway and then up the eastern side of Three Chain Road to the QNP Facility as illustrated in Appendix A

4. LEGISLATIVE CONTEXT

4.1 Owner

The applicant, Queensland Nitrates Pty Ltd (QNP), is the owner of the freehold land (4SP101809) on which the activity is proposed.

4.2 Approvals and Decisions in Place

The project will be constructed and operated in accordance with the following approvals issued by the Queensland Government:

- Petroleum Pipeline Licence (PPL192) issued under the *Petroleum and Gas* (*Production and Safety*) *Act 2004*
- Environmental Authority (EA EPVX02338314) issued under the *Environmental Protection Act 1994*
- Strategic Cropping Land (SCL) Validation Decision (SCLVA2014/000146) issued under the *Strategic Cropping Land Act 2011* (SCL Act) recently made cropping history decision that potential SCL within the Three-Chain road reserve (immediately adjacent the land subject of this referral) is <u>not</u> SCL.

4.3 Guidelines, Standards and Codes of Practice

This report has taken particular note of the following Guidelines issued by the Department of State Development, Infrastructure Planning to support applications made under the RPI Act:

- Guideline 1/14: How to make an assessment application for regional interests development approval under the RPI Act
- Guideline 3/14: Carrying out resource activities in the strategic cropping area
- Guideline 8/14: How to demonstrate that land in the strategic cropping area does not meet the criteria for SCL
- Guideline 9/14: How to determine if an activity has a permanent impact on SCL



Although the SCL Act has been repealed, the SCL *Standard Conditions Code for Resource Activities* issued by the Department of Natural Resources and Mines, made under that Act, is considered to be relevant to temporary impacts on SCL and potential SCL for certain resource activities, including buried linear infrastructure (Part 3).

The QNP Pipeline will be constructed in accordance with The Australian Pipeline Industry Association (APIA) Code of Environmental Practice – Onshore Pipelines (APIA, 2013). The Code details proven techniques and methods for managing environmental impacts from onshore pipeline activities in Australia and is viewed as the minimum standard to be applied to the construction and operation of gas pipelines.

The pipeline will be designed, constructed, tested, operated and maintained in accordance with Australian Standard AS2885.

5. CRITERIA FOR SCL

QNP has considered the RPI Act Guideline 08/14: *How to demonstrate that the land in the SCA does not meet the criteria for SCL*. Based on its preliminary desktop assessment, QNP accepts the current SCL Trigger Map presented in Figure 1 and will not make any application to demonstrate that the land is not SCL or potential SCL.



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Figure 1 SCL Trigger Map

6. IMPACT ON SCA

The QNP Pipeline will have a limited impact on SCL within the SCA.

6.1 Location within SCA

The activity cannot be carried out elsewhere as it is a contiguous transmission pipeline to be constructed from the existing Moura Meter Station to a terminal point approximately 18 km south at the QNP Ammonium Nitrate Facility site (4SP101809).



The alignment has been selected to firstly avoid, then minimise, then mitigate any negative impacts on areas of ecological value, including SCL.

While the pipeline route has been aligned to avoid any impact on SCL as far as practicable, it does however, traverse approximately 170m of mapped potential SCL within the boundary of the QNP Facility (4SP101809) as illustrated in figures located at Appendix A. The potential SCL is shown on the SCL Trigger Mapping as being located in the Western Cropping Management Zone.

Supporting evidence demonstrating a rigorous route selection process is presented in Appendix B.

6.2 Current Land Use

While it is zoned for rural use, the land is currently used for industrial purposes (ammonium nitrate facility) and no cropping or other agricultural activities are undertaken or proposed for the next 40 years.

Tenure Number Tenure Status		Tenure Holder			
ML5593	Granted	Anglo Coal (Dawson) Limited			
EPC1100	Granted Vale Belvedere Pty Ltd				
PPL182	Application	Westside CSG A Pty Ltd			
PPL26	Granted	Westside CSG A Pty Ltd			
PPL192 Granted		Queensland Nitrates Pty Ltd (Subject of this application)			

It is noted that the land is also impacted by resource tenements, including:

Refer to Appendix C for a series of maps that show the location of the resource activities impacting the land.

It is further noted that the property is surrounded by a number of other resource tenements.

6.3 Extent

The maximum pipeline construction footprint in the area mapped as potential SCL is 0.34 ha. This is based on a 15 m easement with an additional 5 m width (total 20 m construction right of way) to facilitate safe construction for a total length of 170 m. This will be reduced to a 15m easement during operations.

Refer to figure in Appendix A for details.

The buried high-pressure gas transmission pipeline has a 150 mm Nominal Bore diameter. The trench will be approximately 1400 mm deep and approximately 450 mm wide.

The full extent of the resource activity within the SCL Trigger Map area is limited to the pipeline footprint. There will be no additional formed access tracks or laydown areas in this location.



6.4 Duration

Construction of the proposed pipeline is scheduled to take 4 months. Rehabilitation will occur progressively during this time.

A 40-year operational life is proposed for the QNP Pipeline.

6.5 Nature of the Impact

Normal activities can occur over the buried pipeline following construction and rehabilitation. Its presence will not create any long term adverse impact on SCL or potential SCL.

The SCL *Standard Conditions Code for Resource Activities* states that "Any resource activity and the associated restoration back to pre- development condition that is of longer than 50 years total duration is considered a permanent impact under the SCL Act and cannot be undertaken under this Code."

It possible for the land to be restored to its pre-activity condition following the undertaking of the proposed activity without constraints and the life of the project is proposed to be less than 50 years.

The activity is not considered to have a permanent impact on SCL or potential SCL.

7. MANAGEMENT and MITIGATION MEASURES

Potential SCL is to be managed in such a way that there is minimal disturbance to land use suitability with minimal compaction and re-instatement of pre-disturbance land use. While the current use is industrial and the land is not cropped, the proposed implementation strategy for managing construction within the SCA has considered its agricultural potential based on the Trigger Map.

As stated, the SCL Standard Conditions Code for Resource Activities, pursuant to the now repealed SCL Act, provides appropriate guidance with regards to managing activities within potential SCL. QNP has implemented an avoidance policy as far as practicable and specifically notes Part 3 of this Code to determine management and mitigation measures. This Part was applicable to resource activities considered to have a low and temporary impact on SCL or potential SCL and included buried linear infrastructure with a diameter no greater than 750 mm (**Standard Condition 6.1**).

QNP is committed to complying with the relevant Code Part 3 Standard Conditions, as outlined in this Section.

7.1 Financial Assurance

Financial Assurance will be submitted to the administering authority in compliance with the EA for the QNP Pipeline.

Any additional assurance for carrying out the resource activity on SCL or potential SCL will be determined in consultation with the appropriate administering authorities. This is consistent with the financial assurance principles of the Code Part 3 Standard Conditions.



7.2 Construction Activities

Key activities relevant to the construction of the buried pipeline in the SCA are described below in relation to these conditions as applicable.

7.2.1 Establishment of ROW

Vegetation clearing and grading of the 20 m wide construction right of way (ROW) will include the removal to ground level of trees, brush, stumps and other obstacles, and the grubbing, or otherwise removal, of stumps in the way of the approximately 450mm trench line.

7.2.2 Topsoil Stripping and Trenching

Standard Condition 3.1 Topsoil and subsoil must be excavated in a way that prevents mixing of:

- (a) topsoil and subsoil; and
- (b) topsoil or subsoil with any other excavated material

Standard Condition 3.2 Excavated topsoil may be stockpiled in accordance with conditions 4.1 to 4.9 of Part 3 of this Code.

Standard Condition 4.1 Excavated topsoil and subsoil must be stockpiled separately.

Standard Condition 4.2 Stockpiles must be constructed and maintained in a way that preserves the biological and chemical integrity of the topsoil and subsoil.

Standard Condition 4.4 Suitable erosion and sediment control measures must be installed, maintained and monitored around stockpiles at all times to prevent erosion of soil from the stockpile.

Standard Condition 4.7 Stockpiles must not result in the concentration of run-off water to the extent that it causes visible soil erosion.

Standard Condition 4.8 Livestock must be prevented from accessing stockpiles.

Topsoil stripping

The ROW will be graded to separate the topsoil from the subsoil and excavated trench material for the full width of the ROW to protect it from degradation from the construction equipment and heavy vehicles.

Topsoil will be temporarily stockpiled in windrows to ensure it is not mixed with other materials and to retain its composition and structure for effective use during restoration activities.

Management of the topsoil resource during construction is important for determining success of long term vegetative rehabilitation across the ROW. The excavation and replacement of topsoil resources are managed to:

- Minimise impacts to topsoil quality
- Retain the natural seed bank and other biological aspects of the topsoil
- Minimise erosion of soil stockpiles

Performance criteria:



- Topsoil stripped and stockpiled separately
- No evidence of topsoil loss from stockpiles
- No mixing of topsoil with other materials

Implementation strategy:

- Topsoil will be stripped to the prescribed depth as determined by the constructor
- Topsoil to be stockpiled separately to other soil materials and will be cleared of the majority of established vegetative material prior to stockpiling
- Adequate erosion measures e.g. geotextile cover or similar, to be installed
- Stockpiles will have adequate gaps between each for movement of workers and fauna
- Livestock will be prevented from accessing stockpiles
- The topsoil will be reinstated in the minimum time practicable (approximately 12 weeks) after stripping.

Trenching

• Topsoil and subsoils are to be sequentially stripped over the trench line and stockpiled separately

Standard Condition 6.2 Buried linear infrastructure must be located deeper than 900 mm from the land surface.

- The minimum depth of cover of the pipeline will be 1000 mm
- Trench to be backfilled sequentially with soils in order of excavation

Subsoil excavation and stockpiling is to be managed to:

- Prevent mixing of subsoil with topsoil
- Minimise the length of time soils are exposed
- Prevent erosion of soil materials off the ROW by installing suitable erosion and sediment control measures
- Excavation of the trench only occurs once the pipe has been strung, welded and tested.
- Subsoil will be excavated and stockpiled separately to the topsoil.
- The length of trench opened will be the entire 170 m within the SCL area.
- It is not proposed to stabilise the stockpiles as they are temporary. Sub-soil will be stockpiled for approximately two weeks.

7.2.3 Backfill

- Soils are to be replaced in the order of excavation. All excavated topsoil and subsoil
 will be reinstated in a manner that ensures the topsoil and subsoil is consistent with
 adjacent undisturbed land. The period of time between trenching and backfilling will
 be reduced as far as practicable to manage erosion and sedimentation of exposed
 soils as well as to prevent a trench collapse.
- Surface contours will be consistent with the surrounding land and natural drainage lines restored as applicable.
- The trench well be backfilled and topsoils reinstated within three months after pipelaying (EA Condition PPSCE 17).



• Soils will be compacted to a similar bulk density to pre-disturbance

7.2.4 Cleanup

• As soon as backfilling is complete, the ROW shall be cleaned up by removing surplus material.

7.3 Rehabilitation and Restoration

It is important to note that following construction the pipeline right of way will be rehabilitated so that normal activities can occur over the buried pipeline, and that its presence will not create any long term adverse impact on SCL or potential SCL.

Notwithstanding that Part 16 of Code Part 3 is focussed on decommissioning of the resource activity, it is proposed to rehabilitate and restore the QNP Pipeline construction corridor in accordance with the following Code Part 3 Standard Conditions:

Standard Condition 16.3 Restoration, in accordance with conditions 16.4 – 16.9, must be commenced as soon as practicable, but within the timeframes specified below:

(c) Buried linear infrastructure – within 6 months of the installation of the infrastructure.

Standard Condition 16.7 Where soil has been compacted by a **resource activity** under this Code at any depth up to 600 mm, it must be cultivated or ripped and returned to a level of compaction equivalent to that of adjacent undisturbed soils.

Standard Condition 16.9 The soil surface must be re- contoured to a level consistent to that of the surrounding land.

Standard Condition 16.10 Within six weeks of the work being completed under conditions 16.4 to 16.9, the **holder** must promote the establishment of a self-sustaining vegetative ground cover species or crop.

Standard Condition 16.11 Following establishment, if the land is not returned to crop, a self sustaining vegetative ground cover of at least 50% must be maintained for a minimum of one year.

- Stockpiled topsoil will be respread over the width of the scarified ROW in an even layer to assist natural regeneration if applicable
- Rehabilitation will be carried out progressively and as soon as practicable.
- The trench and ROW shall be restored to the natural contours of the ground and shall allow normal surface drainage.
- Terraces and levees disturbed by construction of the pipeline shall be restored to their original contours, or in a manner that will resist erosion.
- Slopes shall be restored in a manner that will resist erosion.
- All temporary works provided for construction shall be removed.
- Hydro-mulching may be undertaken on areas of disturbed soils to assist the restoration process.



- The ROW will be lightly scarified to relieve compaction and assist revegetation.
- Reinstatement and revegetation of the pipeline ROW will commence within six months after completion of petroleum activities for the purpose of pipeline construction (EA Condition PPSCE 18).
- Where soil has been compacted under this Code at any depth up to 600mm, it will be ripped and returned to a level of compaction equivalent to that of adjacent undisturbed soils. The soil surface will be re-contoured to a level consistent with that of the surrounding land.
- A self-sustaining vegetative ground cover species will be promoted within 6 weeks of the work being completed and at least 50% coverage sustained for a minimum of 1 year. Monitoring of restoration activities will be undertaken for at least 1 year to demonstrate that all impacts are restored to pre-development conditions.
- A Monitoring Program with remediation measures will be implemented to ensure that soil resources are appropriately protected.

7.4 **Operational Activities**

Land will be returned to its pre-construction use.

- The backfilled, reinstated and revegetated pipeline trench and ROW will be:
 - o a stable landform
 - o re-profiled to a level consistent with surrounding soils
 - o re-profiled to original contours and established drainage lines
 - vegetated with groundcover that is not a declared pest species and which is established and self-sustaining (EA Condition PPSCE 19).
- A photographic record will be maintained to demonstrate the progress of rehabilitation and the easement condition during the operational phase.
- Continued access to the easement will be necessary to follow-up issued identified during inspection. Low level maintenance for erosion, subsidence and weeds will be required, particularly during the first twelve months following construction.

7.5 DECOMMISSIONING and RESTORATION

It is important to note that following construction the pipeline right of way will be rehabilitated so that normal activities can occur over the buried pipeline, and that its presence will not create any long term adverse impact on SCL or potential SCL, as outlined in Section 7.3 above.

Standard Condition 16.1 All resource activities carried out under Part 3 of this Code must end and any impacts to SCL and potential SCL must be restored back to pre-development condition within 50 years of the activity commencing or as required by the **environmental authority** or **resource authority**, whichever is sooner.

Standard Condition 16.3 Restoration, in accordance with conditions 16.4 – 16.9, must be commenced as soon as practicable, but within the timeframes specified below:

(c) Buried linear infrastructure – within 6 months of the installation of the infrastructure.



Standard Condition 16.4 All equipment and materials used for the **resource activity** (e.g. road base, under track drainage systems) must be removed following decommissioning, unless provided for in another condition of this Code.

Standard Condition 16.5 Equipment and material removed under condition 16.4 must not be disposed of in any way on SCL or potential SCL.

Standard Condition 16.7 Where soil has been compacted by a **resource activity** under this Code at any depth up to 600 mm, it must be cultivated or ripped and returned to a level of compaction equivalent to that of adjacent undisturbed soils.

Standard Condition 16.9 The soil surface must be re- contoured to a level consistent to that of the surrounding land.

Standard Condition 16.10 Within six weeks of the work being completed under conditions 16.4 to 16.9, the **holder** must promote the establishment of a self-sustaining vegetative ground cover species or crop.

Standard Condition 16.11 Following establishment, if the land is not returned to crop, a self sustaining vegetative ground cover of at least 50% must be maintained for a minimum of one year.

Standard Condition 16.13 Despite conditions 16.4, the **holder** may leave buried linear infrastructure in place where there is a low risk of future subsidence.

Standard Condition 16.14 The **holder** must undertake monitoring of restoration activities for at least one (1) year following the completion of restoration activities to demonstrate that all impacts to SCL or potential SCL are restored back to pre- development condition.

The buried pipeline will be decommissioned in accordance with EA EPVX02338314 and AS2885 as current at that time. The proposed life of the project is 40 years. This may include leaving the buried infrastructure in situ if there is a low risk of future subsidence. Should the pipeline be excavated, QNP propose to implement management measures in compliance with the Standard Conditions listed above. A Monitoring Program with remediation measures will be implemented to ensure that soil resources are appropriately protected and to demonstrate that all impacts to SCL or potential SCL are restored to pre-development condition.

In addition, QNP undertakes to keep records in compliance with Code Part 3 as follows:

Standard Condition 1.5: The holder must keep a record of:

- (a) all resource activities undertaken on SCL or potential SCL;
- (b) the pre-development condition of the site on which a resource activity occurs;
- (c) the date the resource activity commenced;
- (d) the precise location of the resource activity
- (e) the date the resource activity ended;
- (f) restoration activities undertaken to return the site to pre-development condition; and
- (g) the date restoration was completed.



Standard Condition 1.6: The holder must keep records for a minimum of five (5) years after the completion of restoration activities.

Standard Condition 1.7: The holder must provide records to the administering authority upon request.

8. **RESPONSE TO RPI ACT GUIDELINE 03/14**

Further to the information presented above, the applicable required outcome and prescribed solutions for carrying out resource activities in the SCA have been determined from Table 1 of the RPI Act Guideline 03/14 and presented in Table 1.

Table 1 Outcomes to be addressed

Proposed activity	Required outcome to be addressed by applicant in application
The activity will, or is likely to, impact	Required outcome 2:
strategic cropping land and is being carried out on a property (SCL) in the strategic cropping area	The activity will not result in a material impact on strategic cropping land on the property (SCL).
	AND
	Required outcome 3:
	The activity will not result in a material impact on strategic cropping land in an area in the strategic cropping area.

A detailed analysis of these required outcomes and evidence of how QNP demonstrates compliance have been prepared and tabulated in Table 2 and Table 3.



Table 2 QNP Evidence of Compliance with RPI Act Guideline 03/14 – Required outcome 2

Required outcome 2:	notorial impact on stratogic gropping land on the property (SCI)			
Prescribed solution to be met - reference	Prescribed solutions	Evidence / Response		
Table 3 (a)	The application demonstrates— (a) if the applicant is not the owner of the land and has not entered into a voluntary agreement with the owner—the applicant has taken all reasonable steps to consult and negotiate with the owner of the land about the expected impact of carrying out the activity on SCL	The applicant, Queensland Nitrates Pty Ltd, is the owner of the land (4		
Table 3 (b)	The application demonstrates— (b) the activity can not be carried out on land that is not SCL, including for example, land elsewhere on the property (SCL), on adjacent land or at	The activity cannot be carried out elsewhere as it is a contiguous transference existing Moura Meter Station to a terminal point approximately 18 km s (4SP101809).		
	another nearby location	The project will be constructed in accordance with PPL192 and EA E firstly avoid, then minimise, then mitigate any negative impacts on ar		
		While the pipeline route has been aligned to minimise any impact on SC of mapped potential Strategic Cropping Land within the property boundar presented in Appendix A. As illustrated, the route has been aligned along		
		Supporting evidence demonstrating a rigorous route selection process is		
Table 3 (c)	The application demonstrates— (c) the construction and operation footprint of the activity on SCL on the property (SCL) is minimised to the greatest extent possible	 QNP has selected a route that minimises the impact on potential SCL to within the Three Chains Road reserve for which a non-SCL cropping his been made. Notwithstanding this alignment, the route will traverse approproperty (4SP101809) with a total footprint of 0.34ha. The SCL Standard Conditions Code for Resource Activities, pursuant to provides appropriate guidance with regards to managing activities within avoidance policy as far as practicable and specifically notes Part 3 of th activities considered to have a low and temporary impact on SCL or pot infrastructure with a diameter no greater than 750mm. QNP is committed to complying with the relevant Code Part 3 standard Key mitigation measures include: Part 3 is deemed to be applicable as an appropriate standard and th resource activity under that Code. Topsoil and subsoil will be excavated separately to ensure soil horiz Excavated topsoil and subsoil will be stockpiled separately in a marnintegrity. Where practicable stockpiles which will be in place for approximate different to existing infrastructure as far as is practicable with the construction of the pipeline in potential SCL. The pip the land and adjacent to existing infrastructure as far as is practicable with the construction of the pipeline in potential SCL as the activity in There are no associated access tracks, pits or formed lay down area SCL within the resource area is 0.34 ha. QNP proposes to construct and operate a buried high-pressure gas Bore diameter. Whilst the final depth of cover will be determined during the standard and the standard and period access tracks area in the pressure gas bore diameter. Whilst the final depth of cover will be determined during the standard acces tracks. 		

SP101809) on which the activity is proposed.

mission pipeline to be constructed from the outh at the QNP Ammonium Nitrate Facility site

VX02338314. The alignment has been selected to so of ecological value, including SCL.

CL, it does, however, traverse approximately 170 m ary of the QNP site as illustrated on the map ng the northern boundary of this property.

presented in Appendix B.

the greatest extent practicable by aligning it story validation decision (SCLVA2014/000146) has pximately 170m of potential SCL on the QNP

the now repealed SCL Regulation 2011, still n potential SCL. QNP has implemented an is code. This Part was applicable to resource rential SCL and included buried linear

conditions as outlined in Section 7 of this Report.

he construction of the QNP Pipeline is a permitted

cons are able to be reinstated.

aner that preserves biological and chemical al SCL and will not be located in the flooding zone ontrol measures (e.g. geotextile cover) will be

pproximately 12 weeks. peline route has been aligned to the boundary of

ble. There are no cumulative impacts associated is limited to the buried linear infrastructure only. as. The total impact of this activity on potential

transmission pipeline with a 150 mm Nominal ring the detailed design process in accordance a minimum depth of cover of 1200 mm in areas of complete.



Required outcome 2:	material impact on strategic cropping land on the property (SCI)	
Prescribed solution to be met - reference	Prescribed solutions	Evidence / Response
		 The term for PPL192 is 40 years. The resource activity and associate occur earlier than the 50 years which is considered by the Code to be commenced as soon as practicable but no later than within 6 months infrastructure. Where soil has been compacted under this Code at a returned to a level of compaction equivalent to that of adjacent undis to a level consistent with that of the surrounding land. A self-sustaining vegetative ground cover species will be promoted veleast 50% coverage sustained for a minimum of 1 year. Monitoring of least 1 year to demonstrate that all impacts are restored to pre-devele. The buried pipeline will be decommissioned in accordance with EA time. This may include leaving the buried infrastructure in situ if there. The construction width of the right of way (ROW) for the QNP pipeline is easement with an additional temporary 15 m ROW to facilitate safe constadditional construction work area reduced from 15 m to 5m) for the external set of the set
Table 3 (d)	The application demonstrates— (d) if the activity will have a permanent impact on SCL on a property (SCL)—no more than 2 per cent of the SCL on the property (SCL) will be impacted	The RPI Act Guideline 9/14 states that "an activity has a permanent imp activity, the land cannot be restored to its pre-activity condition." The proposed activity, namely the construction of a buried transmission potential SCL it traverses. It is important to note that following construction that normal activities can occur over the buried pipeline, and that its press impact on SCL or potential SCL While the site is zoned for agricultural use, it is currently used as an indu Full restoration of the site to its pre-activity condition will be achieved by management measures in accordance with EA EPVX02338134 and alig for Resource Activities made under the repealed <i>Strategic Cropping Lan</i>

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ted restoration to pre-development condition will be a permanent impact. Restoration will be as of the installation of the buried linear any depth up to 600mm, it will be ripped and sturbed soils. The soil surface will be re-contoured

within 6 weeks of the work being completed and at of restoration activities will be undertaken for at elopment conditions.

EPVX02338314 and AS2885 as current at that re is a low risk of future subsidence.

s 30 m, including a 15 m-wide permanent struction. This will be reduced to 20 m (with the

ent over which the route traverses potential SCL.

pact on SCL if, because of the carrying out of the

pipeline, will not have a permanent impact on the ion the pipeline right of way will be rehabilitated so sence will not create any long term adverse

ustrial site.

v appropriate construction methods and gned with Part 3 of the Standard Conditions Code *nd Regulation 2011,* as outlined in this report.



Table 3 QNP Evidence of Compliance with RPI Act Guideline 03/14 – Required outcome 3

Prescribed solution to be	Prescribed solutions	Evidence / Response
met - reference		
Table 4 (a)	The application demonstrates— (a) the activity cannot be carried out on other land in the area that is not SCL, including for example, land elsewhere on the property (SCL), on adjacent land or at another nearby location	The applicant, Queensland Nitrates Pty Ltd, is the owner of the land (45
Table 4 (b)	The application demonstrates— (b) any regional outcome or regional policies stated in a regional plan for the area have been adequately addressed	 QNP supports and contributes to the regional polices outlined in the Ceron resolving land use competition between the agricultural and resource follows: This pipeline will underpin QNP's commercial viability as a local of about \$20 million QNP produces 230 000 tonnes per annum of ammonium nitrate competitiveness of Queensland's mining industry The buried pipeline has been closely aligned with existing infras been selected to limit its effect on the natural and built environm The temporary impact on potential SCL is limited to 0.34ha at th cropping activities.
Table 4 (c)	The application demonstrates— (c) the construction and operation footprint of the activity on SCL is minimised to the greatest extent possible	 QNP has selected a route that minimises the impact on potential SCL to within the Three Chains Road reserve for which a non-SCL cropping his been made. Notwithstanding this alignment, the route will traverse approproperty (4SP101809) with a total footprint of 0.34ha. The SCL Standard Conditions Code for Resource Activities, pursuant to provides appropriate guidance with regards to managing activities within avoidance policy as far as practicable and specifically notes Part 3 of thi activities considered to have a low and temporary impact on SCL or poter infrastructure with a diameter no greater than 750mm. QNP is committed to complying with the relevant Code Part 3 standard of Key mitigation measures include: Part 3 is deemed to be applicable as an appropriate standard and the resource activity under that Code. Topsoil and subsoil will be excavated separately to ensure soil horiz Excavated topsoil and subsoil will be stockpiled separately in a man integrity. Where practicable stockpiles will not be located on potentia of drainage lines or waterways. Appropriate erosion and sediment or established for the temporary stockpiles which will be in place for ap No associated infrastructure will be located in potential SCL. The pip the land and adjacent to existing infrastructure as far as is practicable with the construction of the pipeline in potential SCL as the activity is There are no associated access tracks, pits or formed lay down area SCL within the resource area is 0.34 ha. QNP proposes to construct and operate a buried high-pressure gas Bore diameter. Whilst the final depth of cover will be determined dur with AS2885, and in consultation with stakeholders, QNP proposes

SP101809) on which the activity is proposed.

ntral Queensland Regional Plan which are focused e sectors and driving economic development as

employer with a current direct local annual spend

, providing a strategic resource to help sustain the

structure where practicable and the alignment has nent

ne edge of a mapped area and will not limit future

the greatest extent practicable by aligning it story validation decision (SCLVA2014/000146) has pximately 170m of potential SCL on the QNP

the now repealed SCL Regulation 2011, still potential SCL. QNP has implemented an is code. This Part was applicable to resource ential SCL and included buried linear

conditions as outlined in Section 7 of this Report.

he construction of the QNP Pipeline is a permitted

zons are able to be reinstated.

aner that preserves biological and chemical al SCL and will not be located in the flooding zone ontrol measures (e.g. geotextile cover) will be oproximately 12 weeks.

peline route has been aligned to the boundary of ole. There are no cumulative impacts associated is limited to the buried linear infrastructure only. as. The total impact of this activity on potential

transmission pipeline with a 150 mm Nominal ring the detailed design process in accordance a minimum depth of cover of 1200 mm in areas of complete.



Prescribed solution to be	Prescribed solutions	Evidence / Response
met - reference		
		 The term for PPL192 is 40 years. The resource activity and associat occur earlier than the 50 years which is considered by the Code to a commenced as soon as practicable but no later than within 6 month infrastructure. Where soil has been compacted under this Code at a returned to a level of compaction equivalent to that of adjacent under to a level consistent with that of the surrounding land. A self-sustaining vegetative ground cover species will be promoted least 50% coverage sustained for a minimum of 1 year. Monitoring least 1 year to demonstrate that all impacts are restored to pre-deve The buried pipeline will be decommissioned in accordance with EA time. This may include leaving the buried infrastructure in situ if the The construction width of the right of way (ROW) for the QNP pipeline is easement with an additional temporary 15 m ROW to facilitate safe con additional construction work area reduced from 15 m to 5m) for the external data and the surrounded from the text.
Table 4 (d)	 The application demonstrates either— the activity will not have a permanent impact on the SCL in the area or the mitigation measures proposed to be carried out if the chief executive decides the approval and impose an SCL mitigation condition 	The RPI Act Guideline 9/14 states that "an activity has a permanent imp activity, the land cannot be restored to its pre-activity condition." The proposed activity, namely the construction of a buried transmission potential SCL it traverses. It is important to note that following construct that normal activities can occur over the buried pipeline, and that its pre impact on SCL or potential SCL While the site is zoned for agricultural use, it is currently used as an ind Full restoration of the site to its pre-activity condition will be achieved by management measures in accordance with EA EPVX02338134 and alig for Resource Activities made under the repealed <i>Strategic Cropping La</i> .
Table 4 (e)	Where the applicant is not the owner of the land and has not entered into a voluntary agreement with the owner, the application demonstrates— (e) the matters listed in Table 3	The applicant, Queensland Nitrates Pty Ltd, is the owner of the land (4

Queensland Nitrates Pty Ltd ABN 63 079 889 268 ACN 079 889 268

ted restoration to pre-development condition will be a permanent impact. Restoration will be as of the installation of the buried linear any depth up to 600mm, it will be ripped and sturbed soils. The soil surface will be re-contoured

within 6 weeks of the work being completed and at of restoration activities will be undertaken for at elopment conditions.

EPVX02338314 and AS2885 as current at that re is a low risk of future subsidence.

s 30 m, including a 15 m-wide permanent struction. This will be reduced to 20 m (with the ent over which the route traverses potential SCL. pact on SCL if, because of the carrying out of the

pipeline, will not have a permanent impact on the ion the pipeline right of way will be rehabilitated so sence will not create any long term adverse

ustrial site. v appropriate construction methods and gned with Part 3 of the Standard Conditions Code *nd Regulation 2011,* as outlined in this report. SP101809) on which the activity is proposed.



Appendix A MAPS



Queensland Nitrates Pty Ltd ABN 63 079 889 268 ACN 079 889 268



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Appendix B Route Selection Process



Pipeline Route Selection Process

Initially three possible route alternatives were identified for consideration of the QNP Pipeline alignment, including:

- Private land on the western side of Theodore-Baralaba Road;
- The road reserve of Theodore-Baralaba Road (both eastern and western sides); and
- Private land on the eastern side of the Theodore-Baralaba Road.

The road reserve was initially identified as the preferred alignment, on the basis of the initial approvals strategy which considered approval under the Gas Supply Act, and the minimisation of potential impacts on private landholders, by staying within the Theodore-Baralaba Road and Three Chains Road reserves.

An initial ecological survey was conducted at this stage to understand any ecological constraints by Kleinfelder (2014).

Following consideration of the approvals strategy, it was determined that as a 'transmission pipeline' the QNP Pipeline would need to be licenced under the Petroleum and Gas (Production & Safety) Act, which prompted QNP to conduct a review of the potential route alignments, considering the pipeline approvals process, surrounding environment, proximity to sensitive receptors, constructability and safety aspects of each route.

During this review it was noted that Kleinfelder (2014) recommended that the "private land (on either side of Theodore-Baralaba Rd) is the preferential alignment for minimal ecological impact – habitat in these areas hold low ecological value with little chance of significant impact during development works".

Further, it was identified that sections of the road reserve contained endangered plant species listed under the Nature Conservation Act, and that Theodore-Baralaba Road reserve and the Three Chain Road reserve contained regional ecosystems (REs) that for projects regulated through the Petroleum and Gas (Production & Safety) Act and the Environment Protection Act 1994 were identified as a Category B Environmentally Sensitive Areas (ESAs).

QNP then applied the following hierarchy to manage the potential environmental impacts on the Category B ESAs identified within the road reserves (in order of preference):

- 1. Avoid impacts to the ESA and associated values;
- 2. Minimise impacts to the ESA and associated values (and rehabilitate the ESA and associated values); and
- 3. Offset loss of the ESA and associated values.

Consideration was then given to these environmental issues, the constructability issues of both constructing within the road reserve and on private land on both the eastern and western sides of the road, safety concerns (particularly in relation to construction along an existing road) and proximity to sensitive areas.

As a result of these findings, the route was then further refined to the current preferred alignment. This route effectively minimises land take and potential environmental impacts by following an alignment close to the existing road reserve and adjacent to existing pipeline easements, (thereby effectively avoiding key sensitive environmental areas).

Further, it is worth noting that over 15km of the proposed pipeline alignment runs adjacent to the existing Dawson Valley and Moura Gas Pipelines (from the Moura Meter Station, adjacent the Theodore-Baralaba Road to the Dawson Highway).



Appendix C Resource Tenement Maps

Note: The proposed pipeline alignment shown on the maps attached in Appendix C is not reflective of the final pipeline alignment as shown on the mapping presented in Appendix A. The purpose of the mapping in Appendix C is to show the location of the land (Lot 4 RP101809) relative to the resource tenement maps.



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 Australia

REGIONAL PLANNING INTERESTS ACT 2014 Assessment Application Supporting Information

ATTACHMENT B

CURRENT TITLE SEARCH DEPT OF NATURAL RESOURCES AND MINES, QUEENSLAND

Request No: 19613033 Search Date: 20/10/2014 15:16

Title Reference: 50192399 Date Created: 23/10/1997

Previous Title: 30573142

REGISTERED OWNER

Dealing No: 702604578 06/04/1998

QUEENSLAND NITRATES PTY LTD A.C.N. 079 889 268

ESTATE AND LAND

Estate in Fee Simple

LOT 4 SURVEY PLAN 101809 County of FERGUSON Parish of MOURA Local Government: BANANA

EASEMENTS, ENCUMBRANCES AND INTERESTS

- 1. Rights and interests reserved to the Crown by Deed of Grant No. 30290202 (POR 2)
- 2. EASEMENT No 703337970 14/05/1999 at 14:55 benefiting the land over EASEMENTS B AND C ON SP118511 AND EASEMENT D ON SP118512
- 3. EASEMENT No 703344046 18/05/1999 at 15:36 benefiting the land over EASEMENT A ON SP118510
- 4. EASEMENT IN GROSS No 703752830 13/12/1999 at 10:12 burdening the land ALLGAS ENERGY LTD A.C.N. 009 656 446 over EASEMENT A ON SP118857
- 5. EASEMENT IN GROSS No 708536962 29/03/2005 at 11:08 burdening the land OIL COMPANY OF AUSTRALIA (MOURA) TRANSMISSIONS PTY LIMITED A.C.N. 072 109 865 over EASEMENT A ON SP118857 AND EASEMENT D ON SP143680

Page 1/2 CURRENT TITLE SEARCH DEPT OF NATURAL RESOURCES AND MINES, QUEENSLAND Request No: 19613033 Search Date: 20/10/2014 15:16 Title Reference: 50192399 Date Created: 23/10/1997

EASEMENTS, ENCUMBRANCES AND INTERESTS

- 6. TRANSFER No 713551833 04/11/2010 at 10:09 EASEMENT IN GROSS: 708536962 WESTSIDE CSG A PTY LTD A.C.N. 138 989 358 TENANT IN COMMON 51/200 WESTSIDE CSG D PTY LTD A.C.N. 140 474 362 TENANT IN COMMON 51/200 MITSUI MOURA INVESTMENT PTY LTD A.C.N. 088 091 356 TENANT IN COMMON 49/100
- 7. TRANSFER No 713620058 10/12/2010 at 14:31 EASEMENT IN GROSS: 708536962 WESTSIDE CSG A PTY LTD A.C.N. 138 989 358 TENANT IN COMMON 51/200 WESTSIDE CSG D PTY LTD A.C.N. 140 474 362 TENANT IN COMMON 51/200 MITSUI E&P AUSTRALIA PTY LIMITED A.C.N. 108 437 529 TENANT IN COMMON 49/100
- 8. MORTGAGE No 713098664 05/03/2010 at 12:13 TASOVAC PTY LIMITED A.C.N. 108 013 467

ADMINISTRATIVE ADVICES Dealing Type Lodgement Date Status 715995031 STRTGIC LAND 04/09/2014 11:17 CURRENT STRATEGIC CROPPING LAND ACT 2011 UNREGISTERED DEALINGS - NIL

CERTIFICATE OF TITLE ISSUED - No

Caution - Charges do not necessarily appear in order of priority

** End of Current Title Search **

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