Tanami Gas Pipeline: Annual Compliance Assessment Report EBPC

E-REP-069



Revision: 1

Date: 7 August 2023

Document Revision History

Rev	Date	Author	Reviewer	Approver	Revision Description
v0a	14/7/2023	JZ Khoo	M Kenny		Issued for review
v0b	2/08/2023	JZ Khoo	M Kenny	T Rakai	Issued for internal approval
v1	7/08/2023	JZ Khoo	M Kenny	C de Laine	Initial submission



Table of Contents

1.	INT	RODUCTION	1
	1.1 1.2	Proponent Objective and Scope	
2.	ACT	IVITY DESCRIPTION	3
	2.1	Identified New Risks	3
3.	CON	MPLIANCE ASSESSMENT	4
4.	REH	IABILITATION MONITORING	. 11
	4.1 4.2 4.3	Native Vegetation Zone MNES Habitat Zone (Dwarf Desert Spike-rush Habitat) MNES Habitat Zone (Greater Bilby and Great Desert Skink Habitat) and the MNES Habitat (Night Parrot Habitat)	11 itat Zone
	4.4	MNES Habitat Zone (Princess Parrot Habitat)	
5.	CON	ICLUSION	. 16
List	of Ta	bles	
	Table Table 2022 Table	 3-1: Compliance Status Definitions and Abbreviations 3-2: Compliance Assessment 4-1: Comparison of results against native vegetation rehabilitation zone completion criteria fr to 2023 4-2: Assessment of Individual Monitoring Sites within the TNP Against Minimum Standards ned in Approved Completion Criteria 	4 5 om 13
List	of Fig	gures	
	Figure	e 1-1: Location of the Tanami Gas Pipeline	2



1. INTRODUCTION

On 1 June 2018, the Department of Environment and Energy (DoEE, the Department) approved the Tanami Gas Pipeline (TNP) project under the *Environmental Protection and Biodiversity Conservation Act 1999* (EPBC Act). The TNP is a 440 km natural gas pipeline and associated infrastructure connecting the existing Amadeus Gas Pipeline to the Granites and Dead Bullock Soak mines, near Yuendumu, Northern Territory (NT) (EPBC 2017/7997). The pipeline was in operational phase during the period.

The Department of the Environment and Energy is now the Department of Climate Change, Energy, the Environment and Water (DCCEEW).

1.1 Proponent

The proponent for the project is the AGI Tanami Pty Limited (AGIT) (ACN 622 012 560).

AGIT is operated as part of the Australian Gas Infrastructure Group (AGIG) and is 100% owned by a consortium comprising CK Infrastructure Holdings Limited (CKI), CK Asset Holdings Limited (CKA) and Power Asset Holdings Limited (PAH). These are all part of the CK Group, a leading global investor in energy and other infrastructure, in the UK, Australia and other developed countries.

AGIT relies on the services of DBNGP (WA) Nominees Pty Ltd (DBP), the owner of the Dampier to Bunbury Natural Gas Pipeline (DBNGP), for the provision of labour and equipment to enable AGIT to undertake its business. The services are provided under a support services agreement. DBP is part of AGIG.

1.2 Objective and Scope

The objective of this document is to review the compliance with conditions set out in EPBC 2017/7997. Specifically, the scope of this document covers the period commencing 1 June 2022 through to 31 May 2023.



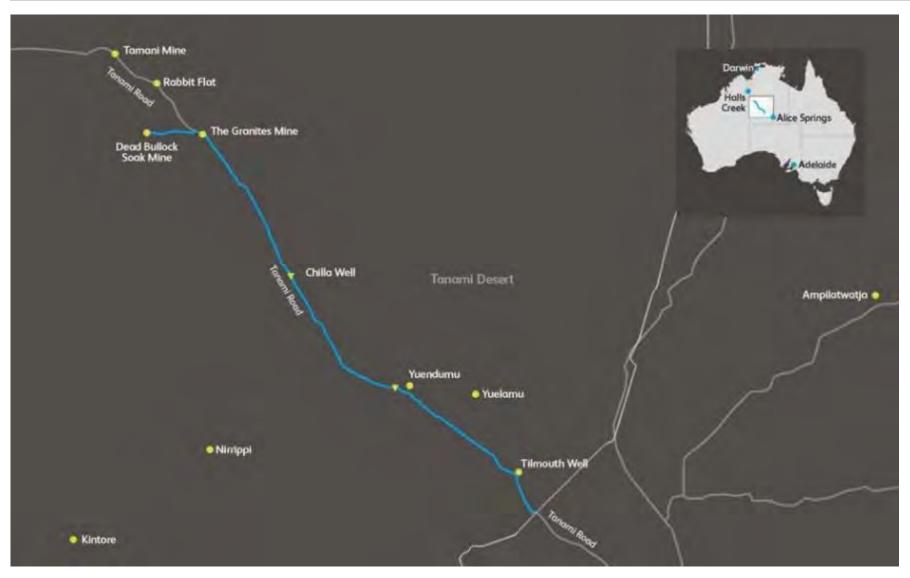


Figure 1-1: Location of the Tanami Gas Pipeline



2. ACTIVITY DESCRIPTION

During the reporting period the normal operation of the TNP continued. This entailed the following main activities:

- Maintenance and operational activities of the pipeline and associated facilities
- Third-party crossing management and supervision
- Aerial surveillance (Appendix B) and landholder consultation
- Rehabilitation monitoring conducted in May 2023.

2.1 Identified New Risks

No new or additional risks were identified.



3. COMPLIANCE ASSESSMENT

A compliance assessment was conducted against EPBC 2017/7997 for the period 1 June 2022 through to 31 May 2023 (Table 3-2). This assessment was conducted in accordance with the Department of the Environment Annual Compliance Report Guidelines (DoE 2014). All conditions were complied with during the reporting period except condition 9. AGIT met with DCCEEW Thursday 2 August 2023 to discuss that not all rehabilitation specified compliance criteria were met in 2023.

A declaration of accuracy forms part of this submission and is included at Appendix A.

Table 3-1: Compliance Status Definitions and Abbreviations

Compliance Status Terms	Abbrev	Definition
Compliant	С	'Compliance' is achieved when all the requirements of a condition have been met, including the implementation of management plans or other measures required by those conditions.
Non-compliant	NC	A designation of 'non-compliance' should be given where the requirements of a condition or elements of a condition, including the implementation of management plans and other measures, have not been met.
Not applicable	NA	A designation of 'not applicable 'should be given where the requirements of a condition or elements of a condition fall outside of the scope of the current reporting period. For example, a condition which applies to an activity that has not yet commenced.



Table 3-2: Compliance Assessment

Condition number	Condition	Status	Evidence / Comments
1	For the protection of listed threatened species, the approval holder must do the following: a. Clear no more than 1,136 ha of vegetation; b. Not clear any vegetation outside the pipe alignment corridor, except as required to establish up to four work camp sites; c. c. Implement the plans referred to in these conditions.	Compliant	 a. No clearing or construction activities were undertaken during the period. b. No clearing was undertaken in the reporting period. c. The plans referred to in these conditions or revisions approved under these conditions, continued to be implemented during the reporting period.
2	For the protection of Greater Bilby (<i>Macrotis lagotis</i>) and Great Desert Skink (<i>Liopholis kintorei</i>), the approval holder must do the following: a. Undertake pre-clearance surveys to determine presence of burrows in the construction right of way; b. Avoid destruction or damage to burrows, including (without limitation) micro-siting the pipeline; c. Comply with the Trench Clearing Procedure and Construction Environmental Management Plan.	Compliant	No clearing or construction activities were undertaken during the period
3	For the protection of Night Parrot (<i>Pezoporus occidentalis</i>), the approval holder must do the following: a. Implement the Night Parrot Management Plan; b. Notwithstanding any other condition, undertake surveys for Night Parrot in accordance with the Night Parrot Survey Guidelines; c. If Night Parrot is detected on or in the vicinity of the pipe alignment corridor: i. immediately cease all work within 5 km of the place where Night Parrot was ii. detected; and, iii. notify the Department and Night Parrot Recovery Team; and,	Compliant	 a. The Night Parrot Management Plan continues to be implemented on the project. b. Previously reported and completed (EPBC 2017/7997 Compliance Assessment Report 2018-2019, E-REP-035). c. No Night Parrots have been detected on the project. d. No Night Parrots have been detected on the project.



Condition number	Condition	Status	Evidence / Comments
	 iv. not recommence work within the area specified in condition 3.c.i. until approved by the Minister in writing; d. If one or more Night Parrot individuals is injured or killed, and, in the opinion of the Department, the death or injury arises from or was contributed to in any way by the proposed action or the presence of the approval holder on or in the vicinity of the pipe alignment corridor, the approval holder must report the injury or death to the Department within 48 hours, and contribute \$50,000 per individual to a fund or program nominated by the proponent and approved by the Department. 		
4	For the protection of Dwarf Desert Spike-rush (<i>Eleocharis papillosa</i>), the approval holder must comply with the Construction Environmental Management Plan (CEMP). In particular, the approval holder must avoid disturbance of environmentally sensitive areas by utilising directional drilling methods.	Compliant	The CEMP controls continued to be implemented in terms of waterway crossings and avoidance of environmentally sensitive areas. No clearing or construction activities were undertaken during the period.
5	For the protection of Princess Parrot (<i>Polytelis alexandrae</i>), the approval holder must undertake pre-clearance surveys for Princess Parrot to determine whether Princess Parrot is present in an area proposed to be cleared, and must avoid disturbance of any individuals, especially nesting birds, and must take all reasonably practicable measures to avoid trees containing hollows suitable for breeding.	Compliant	No clearing or construction activities were undertaken during the period.
6	For the protection of listed threatened species, the approval holder must undertake rehabilitation work in accordance with the Rehabilitation Plan.	Compliant	All construction rehabilitation requirements completed as per previous reports. Rehabilitation Plan requirements for monitoring are reported under Condition 8.
7	Notwithstanding any other condition or provision of a plan, unless the Department determines otherwise, the approval holder must continue rehabilitation work until the completion criteria are met for all areas that are subject to the Rehabilitation Plan.	Compliant	All construction rehabilitation requirements completed as per previous reports. Rehabilitation Plan requirements for monitoring are reported under Condition 8.

Tanami Gas Pipeline: Annual Compliance Assessment Report EBPC 2017 / 7997



Condition number	Condition	Status	Evidence / Comments
8	The approval holder must engage a suitably qualified independent expert approved by the Department to assess the level of success of rehabilitation and undertake the following tasks: a. Assess the construction right of way before any clearance is undertaken, to determine and record the baseline condition of the area, and determine the appropriate locations of the monitoring and control sites. b. Assess the success of rehabilitation three years after substantial completion of the project, to determine the extent that the completion criteria have been met. c. Produce and submit to the Department a report on the success of rehabilitation (Rehabilitation Report), within three months of the three-year anniversary of substantial completion of the project. d. If required by the Department, undertake additional assessments, as directed by the Department, until the completion criteria have been met.	Compliant	 a. The Department approved Ecological Australia (ELA) consultants to conduct rehabilitation monitoring as per correspondence 12 August 2018. The construction right of way pre-clearance survey was completed as part of the approvals work in March 2018. As per the Rehabilitation Plan, the first annual monitoring to inform the success of rehabilitation was completed in March 2020 with subsequent annual monitoring being completed. b. Rehabilitation monitoring is assessed annually post wet season (Mar-June/July) based on the location of the pipeline. c. Third year Rehabilitation Report (2022) that was due to delay in access to site and COVID impacts was submitted in October 2022. d. A fourth-year rehabilitation monitoring survey was conducted and the Rehabilitation Report has been submitted to DCCEEWW in July 2023. AGIT is currently in consultation with DCCEEWW with the results and completion criteria under Condition 9.
9	If, based on the Rehabilitation Report provided by the approval holder in accordance with condition 8.c., the Department considers that the completion criteria have not been met in respect of a portion of cleared area, the approval holder will be required to provide an offset, in the form of a financial contribution, and may be required to undertake additional rehabilitation activities as specified by the Department. The financial contribution payable by the approval holder will be calculated as follows: Financial contribution = \$1,500 x Area where Area means the area that does not meet the completion criteria, in hectares.	Non- Compliant	Currently in consultation with DCCEEW with the 2023 Rehabilitation Report. See Section 4 for additional details.



Condition number	Condition	Status	Evidence / Comments
10	If a financial contribution is payable in accordance with condition 9, the approval holder and the Department will work together to agree on appropriate arrangements before any payment is made, taking into account the potential habitat that was cleared, and the matters of national environmental significance that are likely to have been impacted by the failure to meet the completion criteria in the relevant timeframe.	Compliant	Currently in consultation with DCCEEW with the 2023 Rehabilitation Report.
11	The approval holder must advise the Department in writing of the actual date of commencement and substantial completion within 14 days after commencement or substantial completion, as relevant.	Compliant	Previously reported and completed (4 December 2018).
12	The approval holder must maintain accurate records substantiating all activities associated with or relevant to the conditions of approval, including measures taken to implement the plans required by this approval, and make them available upon request to the Department. Such records may be subject to audit by the Department or an independent auditor in accordance with section 458 of the EPBC Act, or used to verify compliance with the conditions of approval. Summaries of audits will be posted on the Department's website. The results of audits may also be publicised through the general media.	Compliant	Records are kept and either supplied to the Department via annual reporting, available on request or through the AGIG website (as per Condition 20). No external audits were completed during construction of the pipeline.
13	Within three months of every 12 month anniversary of commencement, the approval holder must publish a report on its website addressing compliance with each of the conditions of this approval, including implementation of plans as specified in the conditions (compliance report). Documentary evidence providing proof of the date of publication of the compliance report, and non-compliance with any of the conditions of this approval, must be provided to the Department at the same time as the compliance report is published. The approval holder is not required to provide compliance reports after all obligations under these conditions have been met, and two consecutive compliance reports that demonstrate compliance with all obligations under these conditions have been provided to the Department.	Compliant	 This report will be published on the AGIG website (https://www.agig.com.au/articles/tanami-gas-pipeline) as part of the requirements under this condition. Evidence of the publication will be provided to DoEE at the same time in terms of a link to the website. The report will be published prior to 1 September 2023. The previously submitted Annual Compliance Reports are available on the website. The 2023 Rehabilitation Report is included in the annual compliance report.

Tanami Gas Pipeline: Annual Compliance Assessment Report EBPC 2017 / 7997



Condition number	Condition	Status	Evidence / Comments
14	The approval holder may choose to revise a plan required by these conditions without submitting it for approval under section 143A of the EPBC Act, if the taking of the action in accordance with the revised plan would not be likely to have a new or increased impact. If the approval holder makes this choice they must: a. notify the Department in writing that the approved plan has been revised no later than four weeks before implementing the revised plan; b. provide the Department with an electronic copy of the revised plan, and an explanation of the differences (and reasons for them) between the revised plan and approved plan, no later than four weeks before the proposed implementation date for the revised plan; c. implement the revised plan on or after the proposed implementation date unless the Minister gives the approval holder notice that the Minister considers the revised plan is likely to have a new or increased impact; and d. notify the Department of the actual date of implementation of the revised plan.	Compliant	No revisions were completed in this reporting period.
15	The approval holder may revoke its choice under condition 14 at any time by notice to the Department. If the approval holder revokes the choice to implement a revised plan, without approval under section 143A of the Act, the plan previously approved by the Minister must be implemented.	NA	
16	If the Minister gives a notice to the approval holder that the Minister is satisfied that the taking of the action in accordance with the revised plan would be likely to have a new or increased impact, then: a. Condition 14 does not apply, or ceases to apply, in relation to the revised plan; and, b. The approval holder must implement the plan previously approved by the Minister.	NA	

Tanami Gas Pipeline: Annual Compliance Assessment Report EBPC 2017 / 7997



Condition number	Condition	Status	Evidence / Comments
17	To avoid any doubt, condition 16 does not affect any operation of conditions 14 and 15 in the period before the day the notice is given.	NA	
18	At the time of giving the notice the Minister may also notify that, for a specified period of time, condition 16 does not apply for one or more specified plans.	NA	
19	Conditions 14-18 are not intended to limit the operation of section 143A of the EPBC Act, which allows the approval holder to submit a revised plan to the Minister for approval	NA	
20	Unless otherwise agreed to in writing by the Minister, the approval holder must publish all plans and reports referred to in these conditions of approval on its website. Each of these documents must be published on the website within one month of being approved by the Minister or being submitted to the Department under the relevant condition.	Compliant	All plans and procedures as referenced in these conditions (as listed below) are published on the AGIG website at (https://www.agig.com.au/articles/tanami-gas-pipeline). Before this all preliminary documentation and plans were available at www.dbp.net.au. • Construction Environment Management Plan (CEMP) • Rehabilitation Plan • Trench Clearing Procedure • Night Parrot Management Plan • Night Parrot Monitoring Report (aural and field survey) • Annual Compliance Report 2018-2019, 2019-2020 and 2020-2021, 2021-2022 • 2020,2021 and 2022 Rehabilitation Monitoring Report.



4. REHABILITATION MONITORING

Eco Logical Australia (ELA) was approved by the Department in August 2018 to undertake the required rehabilitation works under Condition 8 of the approval.

AGIT has conducted four years of rehabilitation monitoring of the Tanami gas pipeline and has identified success with most of the completion criteria (See Table 4-1 and Table 4-2).

4.1 Native Vegetation Zone

The Native vegetation zone has met all four specified completion criteria.

- Native perennial flora species density has met the specified completion criteria each year since establishment with an increase recorded between 2022 and 2023.
- Native flora species richness has met the specified completion criteria each year from establishment, with values being consistently comparable to those recorded in the controls.
- Native perennial flora species foliage cover has gradually increased since establishment and following the latest increase between 2022 and 2023 has now met the completion criteria.
- Weed foliage cover has met the specified completion criteria each year from establishment with no declared weed, WoNS or Cenchrus ciliaris being recorded in 2023.

4.2 MNES Habitat Zone (Dwarf Desert Spike-rush Habitat)

The MNES habitat zone (Dwarf Desert Spike-rush habitat) met three out of the four specified completion criteria.

Native perennial flora species density has met the specified completion criteria each year from 2021 onward.

The native flora species richness failed to meet the specified completion criteria in 2022 and 2023 with recorded values just below the 70% requirement (65.7% and 63.5% respectively. The area where the Dwarf Desert Spike-rush habitat failed to meet the specified criteria was site 1 (0.1 ha), site 4 (0.1 ha) and site 6 (0.1 ha) (Table 4-2). The total area is <u>0.3 ha</u> where the native flora species richness for Dwarf Desert Spike-rush habitat failed to meet the specified completion criteria.

Native perennial flora species foliage cover met the specified completion criteria in 2022 and 2023.

Weed foliage cover has met the specified completion criteria in 2023, with the cover of Cenchrus ciliaris being lower in rehabilitation areas (0.40%) compared to the controls (0.43%).

4.3 MNES Habitat Zone (Greater Bilby and Great Desert Skink Habitat) and the MNES Habitat Zone (Night Parrot Habitat)

Three out of the four specified completion criteria have been met for the MNES habitat zone (Greater Bilby and Great Desert Skink habitat) and the MNES habitat zone (Night Parrot habitat).

Native perennial flora species density has met the specified completion criteria each year from establishment; with values being consistently higher than those recorded in the controls.

Native perennial flora species richness has met the specified completion criteria each year from establishment, with values from 2021 onward being consistently comparable to those recorded in the controls.

Tanami Gas Pipeline: Annual Compliance Assessment Report EBPC 2017 / 7997



Native perennial flora species foliage cover has gradually increased since establishment and following a large increase between 2022 and 2023 has now met the specified completion criteria.

Weed foliage cover in rehabilitation areas was lower than the controls in 2020 and 2021. However, following the recording of *Cenchrus ciliaris* in rehabilitation sites 2 (0.1 ha) and site 7 (0.1 ha) in 2023 this zone has failed to meet the specified completion criteria (Table 4-2). The total area is <u>0.2 ha</u> where the native flora species richness for Dwarf Desert Spike-rush habitat failed to meet the specified completion criteria.

4.4 MNES Habitat Zone (Princess Parrot Habitat)

Two out of the four specified completion criteria have been met for the MNES habitat zone (Princess Parrot habitat).

Native perennial flora species richness has met the specified completion criteria each year from establishment, with values being consistently comparable to the recorded in the controls (>80% of control).

Weed foliage cover has met the specified completion criteria each year from establishment.

High native perennial flora species density values were recorded between 2020 and 2022 (>100% of control). However, a large decrease was recorded between 2022 (114% of control) and 2023 (68% of control), resulting in rehabilitation values being slightly less than 70% of the controls and therefore failing to meet the specified completion criteria.

Native perennial flora species foliage cover has failed to meet the specified completion criteria each year from establishment.

The area where the Princess Parrot habitat failed to meet the specified criteria was site 1 (0.1 ha), site 7 (0.1 ha) and site 10 (0.1 ha) (Table 4-2). The total area is <u>0.3 ha</u> where the native flora species richness for Princess Parrot habitat failed to meet the specified completion criteria.



Table 4-1: Comparison of Results Against Native Vegetation Rehabilitation Zone Completion Criteria from 2022 to 2023

	Notice regetation rehabilitation	Native Vegetation Zone					
Aspect ¹	Native vegetation rehabilitation zone completion criteria	2022	2023	2023 (Pass/Fail)			
Native flora species density (% of control)	Perennial native flora species diversity is equal to or greater than 50% of that of the adjacent control area.	77.6 ³	118.2	Pass			
	Perennial native flora species richness is equal to or greater than 50% of that of the adjacent control area and reflects the species composition present in the predisturbed habitat type.						
Native flora species richness (% of control)	Note that within 4 m either side of the pipeline, the completion criteria will only apply to ground cover species and not to tree species, which are not suitable to grow in close proximity to the pipeline. Tree species will be allowed to recover outside of the 8 m corridor.	109.9	106.2	Pass			
Native flora species foliage cover (% of control)	Percentage of foliage cover of perennial native flora species indigenous to each vegetation community is equal to or greater than 50% of that of the adjacent control area and reflects the predisturbed habitat type. Note that within 4 m either side of the pipeline, the completion criteria will only apply to ground cover species and not to tree species, which are not suitable to grow in close proximity to the pipeline. Tree species will be allowed to recover	40.9	54.3	Pass			
Weed foliage cover: is rehabilitation greater than control (y/n)?	outside of the 8 m corridor. Percentage of foliage cover of Declared species under the Weeds Management Act, Weeds of National Significance (WONS) and Buffel grass (*Cenchrus ciliaris) is not greater than that of the adjacent control area at 12 months, 24 months and 36 months.	No	No	Pass			
Native flora species density (% of control)	Perennial native flora species diversity is equal to or greater than 50% of that of the adjacent control area.	77.63	118.2	Pass			

¹Results for native perennial flora species density, richness and foliage cover in rehabilitation areas (above) are presented as a total percentage of the adjacent control areas, in order to show a comparison of results, indicating the development trajectory of each rehabilitation zone.

²Note: Site 17 rehabilitation quadrat was relocated in 2022, as such the 2022 figure only compares sites 11, 12, 13, 14, 15 for the native vegetation zone across 2020, 2021 and 2022. The relocated Site 17 rehabilitation quadrat was reassessed in 2023.

³This result is primarily driven by the number of individual *Yakirra australiensis* var. *australiensis* recorded within site 13 rehabilitation quadrat in 2022 (500 individuals) compared to 2020 (4,000 individuals) and 2021 (5,000 individuals).



Table 4-2: Assessment of Individual Monitoring Sites within the TNP Against Minimum Standards Outlined in Approved Completion Criteria

Monitoring	Hectares (ha)	Rehabilitation zone	Native flora species density (plants per m2)			Native flo	ora species ric quadrat)	hness (per	Native flo	ora species fol (%)	iage cover	Weed foliage cover (%)		
site			Control	Rehabilita tion	Pass (y/n)	Control	Rehabilita tion	Pass (y/n)	Control	Rehabilita tion	Pass (y/n)	Control	Rehabilita tion	Pass (y/n)
1	Control quadrat: 0.1 Rehabilitation quadrat: 0.1 Monitoring site total: 0.2	MNES habitat zone (Dwarf Desert Spike-rush habitat), MNES habitat zone (Princess Parrot habitat)	0.038	0.0004	n	11	1	n	3.86	0.2	n	0.15	0	У
2	Control quadrat: 0.1 Rehabilitation quadrat: 0.1 Monitoring site total: 0.2	MNES habitat zone (Greater Bilby and Great Desert Skink habitat), MNES habitat zone (Night Parrot habitat)	0.1062	0.4874	у	26	17	n	29.22	49.44	у	0	0.05	n
3	Control quadrat: 0.1 Rehabilitation quadrat: 0.1 Monitoring site total: 0.2	MNES habitat zone (Dwarf Desert Spike-rush habitat)	0.1142	0.0894	у	20	20	у	14.57	13.09	у	0	0	У
4	Control quadrat: 0.1 Rehabilitation quadrat: 0.1 Monitoring site total: 0.2	MNES habitat zone (Dwarf Desert Spike-rush habitat), MNES habitat zone (Princess Parrot habitat)	0.158	0.1378	у	26	17	n	39.37	10.76	n	0	0	у
5	Control quadrat: 0.1 Rehabilitation quadrat: 0.1 Monitoring site total: 0.2	MNES habitat zone (Greater Bilby and Great Desert Skink habitat), MNES habitat zone (Night Parrot habitat), MNES habitat zone (Princess Parrot habitat)	0.1516	0.1868	у	24	28	У	48.39	51.64	У	0	0	у
6	Control quadrat: 0.1 Rehabilitation quadrat: 0.1 Monitoring site total: 0.2	MNES habitat zone (Dwarf Desert Spike-rush habitat)	0.0392	0.0264	n	17	8	n	16.85	1.18	n	0	0	у
7	Control quadrat: 0.1 Rehabilitation quadrat: 0.1 Monitoring site total: 0.2	MNES habitat zone (Greater Bilby and Great Desert Skink habitat), MNES habitat zone (Night Parrot habitat), MNES habitat zone (Princess Parrot habitat)	0.1856	0.0978	n	9	16	У	58.2	40.02	n	0	0.05	n
8	Control quadrat: 0.1 Rehabilitation quadrat: 0.1 Monitoring site total: 0.2	MNES habitat zone (Dwarf Desert Spike-rush habitat)	0.0296	0.1012	у	11	8	у	42.67	63.29	у	2	2	У
9	Control quadrat: 0.1 Rehabilitation quadrat: 0.1 Monitoring site total: 0.2	MNES habitat zone (Greater Bilby and Great Desert Skink habitat), MNES habitat zone (Night Parrot habitat)	0.289	0.1318	n	12	9	у	24.98	45.59	у	0	0	У
10	Control quadrat: 0.1 Rehabilitation quadrat: 0.1 Monitoring site total: 0.2	MNES habitat zone (Greater Bilby and Great Desert Skink habitat), MNES habitat zone (Night Parrot habitat), MNES habitat zone (Princess Parrot habitat)	0.1008	0.0104	n	9	8	У	64.86	1.07	n	0	0	у
11	Control quadrat: 0.1 Rehabilitation quadrat: 0.1 Monitoring site total: 0.2	Native vegetation zone	0.2734	0.2702	у	29	22	У	27.54	13.91	у	0	0	У
12	Control quadrat: 0.1 Rehabilitation quadrat: 0.1 Monitoring site total: 0.2	Native vegetation zone	0.0842	0.0822	у	11	13	у	24.24	4.04	n	0	0	У
13	Control quadrat: 0.1 Rehabilitation quadrat:	Native vegetation zone	0.1566	0.0422	n	9	16	у	61.04	18.8	n	0	0	у



Monitoring		5.1.1	Native flora species density (plants per m2)			Native flora species richness (per quadrat)			Native flora species foliage cover (%)			Weed foliage cover (%)		
site	Hectares (ha)	Rehabilitation zone	Control	Rehabilita tion	Pass (y/n)	Control	Rehabilita tion	Pass (y/n)	Control	Rehabilita tion	Pass (y/n)	Control	Rehabilita tion	Pass (y/n)
	0.1 Monitoring site total: 0.2													
14	Control quadrat: 0.1 Rehabilitation quadrat: 0.1 Monitoring site total: 0.2	Native vegetation zone	0.1908	0.2318	У	15	12	у	32.36	34.97	у	0	0	У
15	Control quadrat: 0.1 Rehabilitation quadrat: 0.1 Monitoring site total: 0.2	Native vegetation zone	0.0702	0.062	у	14	19	у	58.43	29.03	n	0	0	У
16	Control quadrat: 0.1 Rehabilitation quadrat: 0.1 Monitoring site total: 0.2	MNES habitat zone (Greater Bilby and Great Desert Skink habitat), MNES habitat zone (Night Parrot habitat)	0.117	0.301	у	19	23	у	19.46	51.92	у	0	0	у
17	Control quadrat: 0.1 Rehabilitation quadrat: 0.1 Monitoring site total: 0.2	Native vegetation zone	0.2538	0.5276	у	19	21	у	42.27	32.8	У	0	0	у



5. CONCLUSION

During the reporting period, AGIT conducted operations in compliance with the approved CEMP and the Operations Environment Plan approved by the NT Department of Primary Industry and Resources.

There continued to be no Night Parrots found (or evidence of) during operations.

Annual rehabilitation monitoring commenced in 2020 and continues with the fourth-year monitoring completed in May 2023. AGIT is currently in consultation with the Department regarding Condition 9.



Appendix A: Declaration of Accuracy

In making this declaration, I am aware that sections 490 and 491 of the *Environment Protection* and *Biodiversity Conservation Act 1999* (Cth) (EPBC Act) make it an offence in certain circumstances to knowingly provide false or misleading information or documents. The offence is punishable on conviction by imprisonment or a fine, or both. I declare that all the information and documentation supporting this compliance report is true and correct in every particular. I am authorised to bind the approval holder to this declaration and that I have no knowledge of that authorisation being revoked at the time of making this declaration.

Signed	light .
Full name (please print)	Craig de Laine
Position (please print)	Chief Executive Officer
Organisation (please print including ABN/ACN if applicable)	AGI Tanami Pty Limited - ABN 21 622 012 560
Date	31 August 2023

Tanami Gas Pipeline: Annual Compliance Assessment Report EBPC 2017 / 7997



Appendix B: Aerial Surveillance Report



Tanami Gas Pipeline

SURVEILLANCE REPORT MUST BE EMAILED TO THE FOLLOWING ASAP AT THE COMPLETION OF THE FLIGHT

Rakai, Tawake tawake.rakai@agig.com.au

Smith, James james.smith@agig.com.au

Aircraft Type	Pilot Name	Area Covered	Weather Conditions (temp; visibility, wind and rain)			
VH-NDK	James Griffith	TNP Inlet Station – DBS Mine M/S	Partly cloudy, 32 degrees, variable winds.			
Work Order Number Employee Name		Date of Surveillance	Engine On Time	Engine Off Time		
1001505768	Kirk McDonald	27-04-2023	07:10	15:35		
AGIG REV	DATE	APPROVED RELEASE	ВҮ	CHK/APPR		
0	02-05-2023	Issued for information	N/A	N/A		
Summary of Report	 Exact Contracting continue the upgrade of the Tanami Road. Previous camp and laydown areas have now been demobilised and rehabilitated. New campsites are in the process of being constructed – page 41. Previously approved crossings servicing campsites and extraction pits, are no longer in regular use, with 2 new crossings approved for future works observed-pages 41 & 46. Exact Contracting have cleared a large area for a new camp site in proximity to the easement at KP 228.00 - pages 46 & 47. Exact Contracting have constructed a new slip road in close proximity to the easement – page 43. Multiple comparison images of erosion from different dates – pages 8, 9. 16, 18, 27, 44, 51, 52; helicopter landed to inspect 2 erosion locations – pages 28 & 35. Field crew undertaking rehabilitation surveys on behalf of AGIG observed at KP207.00 – page 45. Regrowth along the easement continues to increase, affecting line of sight in some areas. 					
	 Updated images and information of facilities & points of interest. Known activities in proximity to the AGIG reportable pipelines, associated laterals and assets. 					
Note:	Images of facilities and other general points of interest obtained during the surveillance flight are not necessarily included in this report due to no new activity being observed. Should any images or further information be required please contact Manager Facilities, Facilities Lands Team Leader or the Aerial Surveillance Team. Aerial Surveillance activities are conducted as per DBP-WI-PMC-PIP-06					
Legend:	Ease Exte Pipe Area	e only approximations of actual location ement boundary ended easement boundary eline as of interest tage areas	ons.			



Tanami Gas Pipeline

Location Comment NP Inlet All appeared correct and secure. Station & Inlet Pipe KP 0



Tanami Gas Pipeline

KP 0.605 – 1.897

- Below images show the current condition of the corridor and access track between KP 0.605 KP 1.897
- Corridor is thickly covered in Buffel Grass



Gravel Rd to No.26 Bore

No significant changes observed to the road crossing.





Tanami Gas Pipeline

KP 8.250

• Below image shows the previously reported water tank built on the Western side of the corridor.



KP11.63

• A deep, narrow erosion channel has opened up on the edge of the corridor clear of the pipe centreline.





Tanami Gas Pipeline

New Well Rd KP 13.44 The road crossing appeared to remain in good condition.



Gravel Track to Water Bore RN16883 KP 21.83 Below images shows the current condition of the road crossing and access track to the laydown area.





Tanami Gas Pipeline

KP 29.17 -KP 34.72





Tanami Gas Pipeline

Tilmouth Road House Compound

- All appeared correct and secure at Tilmouth compound.
- Significant build up of grass observed since last flight.



KP 34.620

- Buffel grass has covered the erosion and banks of Napperby Creek; unable to see if it has changed in depth due to vegetation cover.
- Average 400mm wash out over pipeline and 35m long; 700mm depth of cover at lowest section.





Tanami Gas Pipeline

Napperby Creek KP 34.655

- Below image shows the current condition of the creek.
- Upstream bank had significant damage but no major changes since Feb 2021.

April 2023:



January 2021:





Tanami Gas Pipeline

Napperby Station Access Road

- Below image shows the current condition of the access road.
- Minor water erosion damage across pipeline area.



KP 40.01

No major changes observed to the existing erosion at the T3 water crossing.





Tanami Gas Pipeline

KP 42.00 – 46.00

- Below images provides an example of minor water erosion between KP 40 KP 46.
- Most erosion through this section is now unable to be observed due to vegetation cover. April 2023:



February 2021:

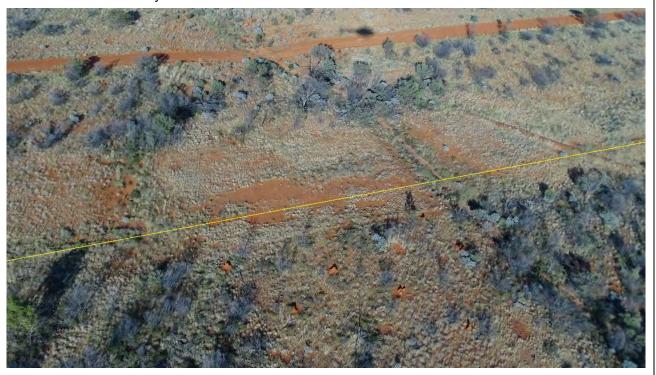




Tanami Gas Pipeline

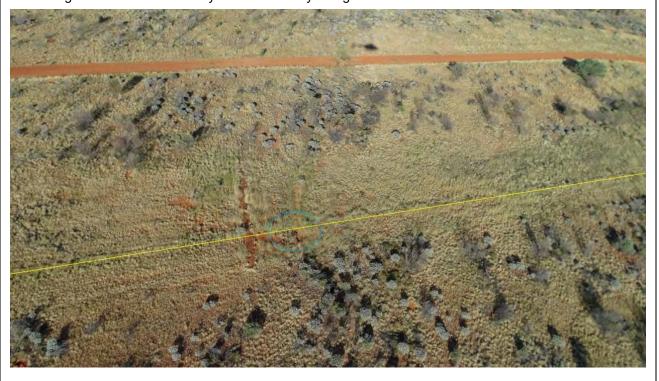
KP 47.06

• Below image shows the current condition of the T2 water course crossing, minor water erosion damage to the bottom of the system.



KP 47.50

• Below image shows the current condition of the T3 water course crossing, moderate water erosion damage to the bottom of the system covered by overgrowth.





Tanami Gas Pipeline

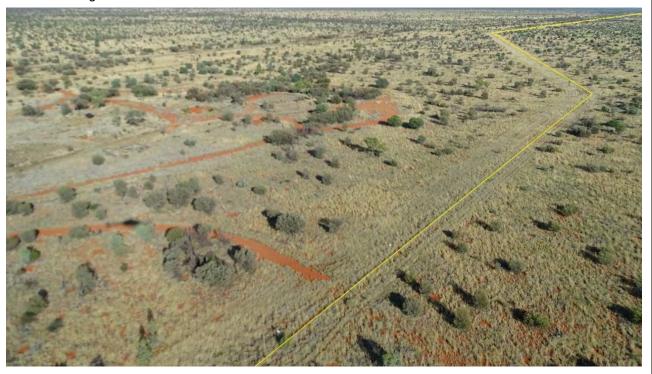
KP 48.05

• Below image shows the condition of the easement at KP 48.000



KP 62.81

Below image shows the condition of the easement at KP





Tanami Gas Pipeline

Camp 1 / Laydown KP 65.50 • Below image shows the current condition of the previous camp/laydown yard.



KP 65.00 – KP 72.00 Below image shows an area example of significant vegetation growth obstructing line of sight within this KP range.





Tanami Gas Pipeline

Gravel Track to Pulardi KP 72.90 Below image shows the current condition of the track to Pulardi.



Pulardi Rd Gravel to Laramba KP 78.51 Below image shows the current condition of the track.





Tanami Gas Pipeline

Yeulamu Rd Gravel KP 100.15 • Below image shows the current condition of the track.



ROW KP 111.33 Below image shows the ROW condition; easement has thick Buffel grass cover at this location.





Tanami Gas Pipeline

KP 114.50

• Previously reported significant erosion along the pipeline trench in this location is covered by Buffel grass and no longer visible.

April 2023:



January 2021:





Tanami Gas Pipeline

Road to Bore & Gravel Pit KP 119.99





Tanami Gas Pipeline

Road to Bore & Gravel Pit KP 119.99

- Below image shows a previous area of moderate water erosion at a bend in the pipeline.
- Thick cover of Buffel grass makes the erosion difficult to observe.

April 2023:



January 2021:





Tanami Gas Pipeline

KP 133.60

• Image below shows no significany changes observed to the moderate erosion developing across the pipeline at this location.



KP 135.20

Image below shows moderate erosion developing parallel to but clear of the pipe centreline.





Tanami Gas Pipeline

KP 136.86

• T3 water course crossing the pipeline has minimal damage to its banks; the hard clay appears to be exposed over the pipeline area.



Yuendumu Rd KP 137.92

Road crossing appeared in good condition.





Tanami Gas Pipeline

KP 140.04 Road to Yuendumu

- Upgrade of this road crossing appears complete.
- Guide markers have been recently installed by unknown method.
- LM liaison with Exact contracting has been productive and works have been covered under APW application system.
- Liaison post flight will confirm this methodology and future work scope at a number of crossings.



KP140.22

• Image below shows no significant changes to the natural water course forming across the pipeline at this location.





Tanami Gas Pipeline

Track to Yuendumu Airport Gravel KP 140.88 Road crossing appeared in reasonable condition.



Rd to Yuendumu Airport Intersection KP 143.85

- Image below shows works to the existing track as part of the Tanami Road upgrade project continue.
- Exact Contracting are upgrading this section of the road.





Tanami Gas Pipeline

SS1 Yuendumu KP 144.91 • Appeared correct and secure.



Truck Turning & Parking Bay KP 147.39

No significant changes observed to this crossing.





Tanami Gas Pipeline

KP148.48

- Image below shows the current condition 3 x approved H.V crossing points that are part of the Tanami Road upgrade project being completed by Exact Contracting.
- H.V crossings were inspected on the ground in Dec 2022 and met the required specs for height / width.
- Activity at the neighbouring laydown / camp area appears complete and the site is undergoing rehabilitation.





Tanami Gas Pipeline

Camp Laydown KP148.48

- Below image shows the current condition of the previous camp/laydown yard.
- Activity at the laydown / camp area appears complete and the site is undergoing rehabilitation.







Tanami Gas Pipeline

Mission Creek T2 KP KP 153.04 • Appeared to remain in good condition; banks heavily covered in vegetation overgrowth.



KP 153.57

 Previously reported significant erosion developing along the trench line in this location is covered by vegetation overgrowth.





Tanami Gas Pipeline

Keridi Creek Tributary T2 KP 155.00

- Creek appears to be in reasonable condition and no significant change to erosion observed since the time of last flight.
- The erosion appears to be at least 1m in depth on the D/S bank.

April 2023:



January 2021:





Tanami Gas Pipeline

ROW KP 155.67

- A natural water course forming across the pipeline in this location; helicopter landed to investigate.
- Erosion appears to be approximately 400mm in depth, with 1000mm of cover remaining over the pipe.







Tanami Gas Pipeline

KP 156.13

• Below image shows moderate water erosion developing across the pipeline, no significant changes observed since time of last flight; erosion appears to be approximately 200-300mm in depth.



KP 156.29 Keridi Creek T3 Tributary

 Below image shows moderate water erosion developing across the pipeline, no noticeable changes since the previous flight; erosion appears to be approximately 300-400mm in depth.





Tanami Gas Pipeline

Mount Doreen Station Rd KP 159.93 No change to the old road crossing.



KP 160.89 – KP 161.50

- Below image shows one of a few water catchment areas in the easement within this section.
- Surface water has reduced significantly since previous flight.





Tanami Gas Pipeline

KP 162.61

• Below image shows moderate water erosion leading to a water catchment area; pipe crown eroding.



KP 170.01

 Below image shows an Exact Contracting laydown yard for the Tanami Rd upgrade in proximity to the pipeline.





Tanami Gas Pipeline

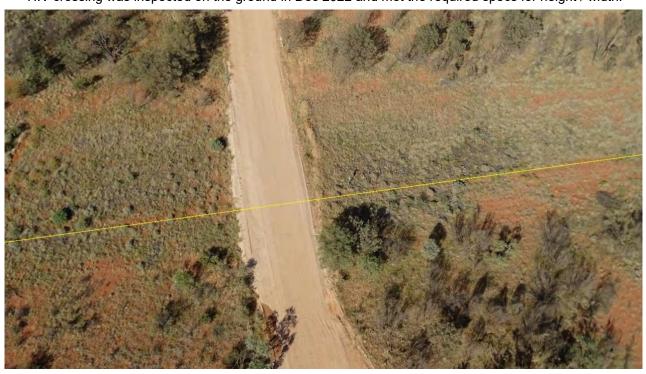
Camp 2 / Laydown KP 170.62

- Below image shows the camp site recently utilised by Exact Contracting for the Tanami Road upgrade.
- The camp has now been demobilised and the site is being rehabilitated.



Camp 2 / Laydown KP 170.62 Access Track

- Below image shows the approved H.V crossing leading into the Exact Contracting camp site.
- H.V crossing was inspected on the ground in Dec 2022 and met the required specs for height / width.





Tanami Gas Pipeline

Gintys Bore Access Road KP 173.10 No change to the current condition of the road crossing.



KP 177.31

- Below image shows an approved H.V crossing constructed by Exact Contracting at this location.
- H.V crossing was inspected on the ground in Dec 2022 and met the required specs for height / width.





Tanami Gas Pipeline

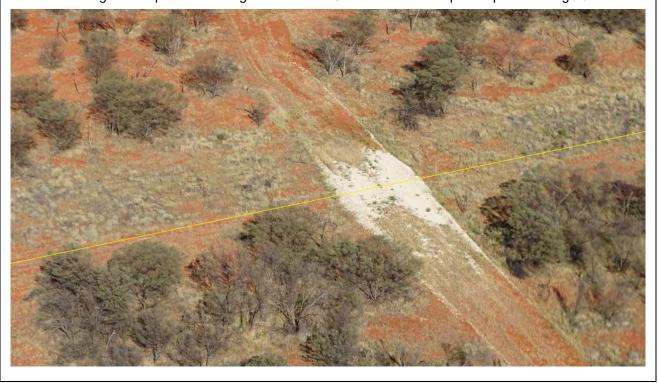
KP177.70

• Minor creek appears to be in reasonable condition and no significant change to erosion observed since the time of last flight.



KP 177.94

- Below image shows an approved H.V crossing constructed by Exact Contracting at this location.
- H.V crossing was inspected on the ground in Dec 2022 and met the required specs for height / width.





Tanami Gas Pipeline

KP 178.78

- Below image shows the current condition a of previously reported significant water erosion area.
- Helicopter landed and fould the erosion is 900mm in depth, with approximately 600mm of cover remaining above the pipeline.







Tanami Gas Pipeline

Yaloogarrie Creek T1 & Tributaries KP 179.96 – KP 181.36 No significant changes observed to the creek and its tributaries.



Yaloogarrie Creek T1 & Tributaries KP 179.96 – KP 181.36 No significant changes observed to the creek and its tributaries.





Tanami Gas Pipeline

Yaloogarrie Creek Tributaries KP 184.20 KP 185.00 • No change observed to the creeks tributaries, rock pitching areas covered by vegetation overgrowth.



Yaloogarrie Creek Tributaries KP 188.90 – 189.24 • The water crossing at this location appeared in good condition; rock pitching covered by overgrowth.





Tanami Gas Pipeline

KP 191.83

• Below image shows some moderate erosion developing close to a known T3 water crossing.



KP 192.66

 Below image shows an Exact Contracting laydown yard cleared in very close proximity to the pipeline easement; all appears correct.





Tanami Gas Pipeline

KP 193.09

• Below image shows an Exact Contracting laydown yard cleared in close proximity to the pipeline easement.



KP 196.40

 Below image shows a section of the Tanami Road upgrade in proximity to the pipeline, approaching the new Exact Contracting camp and stockpile area.





Tanami Gas Pipeline

KP 196.74

- Below image shows an approved H.V crossing constructed by Exact Contracting at this location.
- H.V crossing was inspected on the ground in Dec 2022 and met the required specs for height / width.



Watercourse T3 KP 198.07 • The water crossing at this location appeared in reasonable condition; rock pitching not visible due to vegetation overgrowth.





Tanami Gas Pipeline

KP 199.07 New Camp Exact Contracting

- Below image shows the newly set up camp, utilised by Exact Contracting for the next stage of the Tanami Road upgrade.
- Some clearing has occurred in proximity to, but clear of the pipe centreline.







Tanami Gas Pipeline

KP 199.07

• Below image shows an approved H.V crossing (No.11) for access to the new Exact Contracting camp.



KP 200.22

- A poly water line has been placed within the corridor, but no excavations observed.
- Pipe goes underground, outside of the corridor to pass under the Tanami Road.





Tanami Gas Pipeline

KP 203.00 - 206.00

 Below image shows Exact Contracting are clearing a new slip road in very close proximity to the easement; no encroachments were observed.







Tanami Gas Pipeline

KP 206.11

- Below image shows previously reported major erosion and washout over the easement.
- Marker tape is exposed but actual loss of cover over the pipeline is approximately 200 300mm.

April 2023:



January 2021:





Tanami Gas Pipeline

KP 207.00

- Environmental crew observed working in the corridor for AGIG.
- Helicopter landed to check all was correct and all work is above ground with no excavations etc.



Gravel Road KP 218.100

No change observed to the current condition of the road crossing.





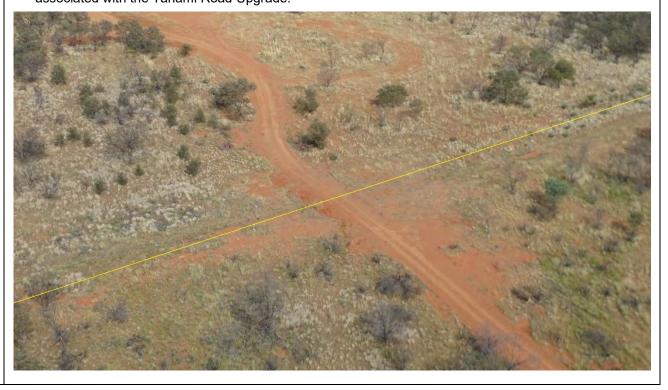
Tanami Gas Pipeline

Flood Out Creek T2 KP 228.16 • All appeared correct at Flood Out Creek crossing.



KP228.39

 Below image shows an approved H.V crossing (No.12) built up by Exact Contracting for works associated with the Tanami Road Upgrade.





Tanami Gas Pipeline

KP 228.90

• Below image shows clearing and civil works underway in proximity to the pipe corridor, in preparation for a future camp or laydown yard to service the Tanami Road Upgrade.



KP 229.61 Water Course T3

Below image shows minor to moderate damage to the banks of this creek.





Tanami Gas Pipeline

KP 235.57

All appear correct at the track crossing.



KP 241.18

- No major changes observed to the significant erosion on the upstream bank of the swale drain.
- This had increased in size over the past 6 months following heavy rains prior to February 2023.





Tanami Gas Pipeline

KP 252.00 -KP 264.00

• Below image shows vegetation overgrowth within this section is starting to block line of sight.



KP 252.00 -KP 264.00 Below image shows vegetation overgrowth within this section is starting to block line of sight.





Tanami Gas Pipeline

Mount Theo Road KP 263.24 Mount Theo Road Crossing is in good condition.



Watercourse T2 Chilla Well KP 266.64

All appeared correct at the watercourse at KP 266.640.





Tanami Gas Pipeline

SS2 Chilla Well KP 279.37

- Appeared correct and secure at the facility.
- No significant changes observed to the previously noted erosion; 400mm deep, 600mm wide and approximately 4 metres long.







Tanami Gas Pipeline

KP 287.63

• Significant erosion at the bank of a known swale drain crossing point, has been covered by over growth and appears to have partially filled in naturally during water flows.

April 2023:



April 2021:





Tanami Gas Pipeline

KP 323.83

• Access track and truck turn around site in proximity to the easement appears in good condition.



Camp 3 / Laydown KP 332.00 All correct at previous camp / laydown yard; regrowth making it hard to identify now.





Tanami Gas Pipeline

KP 335.16

• Gravel extraction site in proximity to the easement is slightly flooded and no new activity has been observed.





Tanami Gas Pipeline

KP 364.15

- Access track to the gravel extraction site in proximity to the easement appears in good condition.
- Moderate erosion observed just upstream of the track, just off the pipe centreline.





Tanami Gas Pipeline

KP 385.45

• All correct at the road crossing; vegetation on the downstream side is now impacting line of sight.



Mount Davidson / Billabong Borefield Rd KP 390.58 All correct at the road crossing; vegetation on the downstream side is now impacting line of sight.





Tanami Gas Pipeline

KP 395.10 Granites Airstrip

• Thick regrowth has occurred on the corridor and will start to impact line of sight in the near future.



Off take / Valve for Granites Lateral KP 397.84 • All appeared correct; no changes to the previously reported drill pads cleared in proximity to the lateral.





Tanami Gas Pipeline

Granites Meter Station KP 0.69 • All appeared correct and secure.



Swale Drain KP 403.98 No water erosion damage observed, but some evidence of water flow observed since previous flight.





Tanami Gas Pipeline

KP 418.47

• Image below shows the only location of any significant standing surface water observed along the line during this flight.



KP 436.07

No further water erosion damage to the Swale Drain outside the corridor at KP 436.070





Tanami Gas Pipeline

DBS Haul Road KP 436.99 • Below image shows the current condition of the haul road crossing point.



Mine Road KP 437.45

- Below image shows the Mine Road crossing the pipeline remains in good condition.
- Significant water erosion is developing approximately at the crossing away from the pipe centreline.





Tanami Gas Pipeline

KP 438.72

• No changes observed to the significant water erosion at the T3 Water Course; erosion is approximately 600mm in depth.



KP 439.47

No changes to previously reported significant erosion confirmed at 670mm in depth.





Tanami Gas Pipeline

DBS Meter Station & Haul Road KP 440.00

- Below images show the current condition of the haul road and lay down areas leading up to the DBS Meter Station.
- Zenith Power Station upgrade construction continues.
- Facilities management inspected site 15th 18th August 2022; providing exclusion zones and communicating conditions as approved by LM.







Tanami Gas Pipeline

DBS Meter Station & Haul Road KP 440.00

- Below images show the current condition of the DBS Meter Station.
- Zenith Power Station upgrade construction continues.
- Facilities management inspected site 15th 18th August 2022; providing exclusion zones and communicating conditions as approved by LM.

