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# Dampier to Bunbury Natural Gas Pipeline Stage 5 Looping Expansion Project

## Five-year Performance Review

Prepared for  
DBNGP (WA) Nominees Pty Ltd  
by Strategen

December 2017





**Dampier to Bunbury  
Natural Gas Pipeline Stage  
5 Looping Expansion  
Project**

**Five-year Performance Review**

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December 2017

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## Client: DBNGP (WA) Nominees Pty Ltd

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## 1. INTRODUCTION

The Dampier to Bunbury Natural Gas Pipeline (DBNGP) Stage 5 Looping Expansion Project comprised the construction of eleven pipeline loops, adjacent (and connected) to the existing DBNGP (Figure 1-1). The Stage 4 Looping Expansion Project covered an aggregate length of about 220 km of the total pipeline length of 1489 km. The Stage 5 Looping Expansion project essentially duplicates the pipeline from Dampier to Wagerup. The key characteristics of the Stage 5 Looping Expansion Project are presented in Table 1-1. The project, which continued from Stage 4 (completed in 2006), comprises a total length of approximately 1270 km of pipeline.

The proposal for the Stage 5 Looping Expansion Project was approved for implementation under Part IV of the *Environmental Protection Act 1986* (EP Act) with issue of Ministerial Statement 735 (MS 735) on 13 December 2006. DBNGP (WA) Nominees Pty Limited, trading as Dampier Bunbury Pipeline (DBP), is the Proponent of the DBNGP Stage 5 Expansion Project.

Implementation of the Stage 5 project commenced in February 2007 and was undertaken in stages. The first stage (Stage 5A) was completed in March 2008. Stage 5B commenced in January 2009 and was effectively completed in early 2010, except for the Fortescue River Crossing. WestNet Energy (previously Alinta Asset Management) was contracted by DBP to provide project management for Stages 5A and 5B of the DBNGP Looping Expansion Project.

Construction of the Fortescue River Crossing section was undertaken during August to December 2011. DBP undertook project management of the looping at the Fortescue River crossing.

MS 735 requires the submission of a Performance Review report every five years after the start of construction of the DBNGP Stage 5 Looping Expansion project in accordance with the requirements of Condition 5–1 of the Statement. This report covers the five-year period, March 2012 to September 2017, no construction was completed during this reporting period.

### 1.1 Performance review requirements

Condition 5–1 of MS 735 specifies:

The proponent shall submit a Performance Review every five years after the start of construction to the Environmental Protection Authority, which addresses:

1. The major environmental issues associated with implementing the project; the environmental objectives for those issues, the methodologies used to achieve these; and the key indicators of environmental performance measured against those objectives.
2. The level of progress in the achievement of sound environmental performance, including industry benchmarking, and the use of best available technology where practicable.
3. Significant improvements gained in environmental management, including the use of external peer reviews.

4. Stakeholder and community consultation about environmental performance and the outcomes of that consultation, including a report on any on-going concerns being expressed.

5. The proposed environmental objectives over the next five years, including improvements in technology and management processes.

This review covers all aspects of the condition, as relevant to the specifics of the project as undertaken, and is structured as follows:

- Section 2 provides a summary of the compliance auditing findings over the reporting period
- Section 3 sets out the major environmental issues associated with implementing the project over the reporting period
- Section 4 sets out the level of progress in the achievement of sound environmental performance
- Section 5 sets out the significant improvements gained in environmental management
- Section 6 sets out the stakeholder and community consultation about environmental performance
- Section 7 sets out the proposed environmental objectives for the next five years.



Dampier to Bunbury Natural Gas Pipeline Stage 5 Looping Expansion Project



Figure 1-1: Regional location of the DBNGP showing Stage 4 and Stage 5 Loops

**Table 1-1: Key characteristics of the Stage 5 Looping Expansion (as constructed to date)**

Aspect	Proposal			
Location	The project comprises eleven loops. The first loop is located approximately 2 km south of Dampier. The last loop is located south of compressor station 10, which starts approximately 17 km southeast of Rockingham, and ends at Wagerup West (Main Line Valve 144).			
Completed actions	Eleven pipeline looping lengths of 660 mm in diameter, buried adjacent to the existing DBNGP. These pipeline lengths are looped to the existing DBNGP to increase flow of natural gas.			
Total length of looping	Approximately 1270 km (1011 km now constructed)			
Characteristics of each loop	No.	Approx. length	Biogeographical region	Shires
	0	137.2 km	Pilbara	Shire of Roebourne (City of Karratha)
	1	123.3 km	Pilbara	Shire of Ashburton
	2	104.9 km	Carnarvon, Gascoyne	Shire of Ashburton
	3	113.0 km	Carnarvon, Gascoyne	Shire of Carnarvon
	4	112.9 km	Carnarvon	Shire of Carnarvon, Shire of Upper Gascoyne
	5	119.0 km	Carnarvon, Yalgoo	Shire of Shark Bay
	6	131.0 km	Yalgoo, Geraldton Sandplains	Shire of Northampton, Shire of Chapman Valley, Shire of Mullewa
	7	142.4 km	Geraldton Sandplains	Shire of Mullewa, Shire of Irwin, Shire of Carnamah
	8	96.8 km	Geraldton Sandplains, Swan Coastal Plain	Shire of Coorow, Shire of Dandaragan, Shire of Gingin
	9	127.7 km	Swan Coastal Plain	Shire of Gingin, Shire of Chittering, City of Swan, City of Belmont, Shire of Kalamunda, City of Gosnells, City of Armadale, City of Cockburn, Town of Kwinana
10	61.5 km	Swan Coastal Plain	Shire of Serpentine–Jarrahdale, Shire of Murray, Shire of Waroona	
Tenure	The completed pipeline is wholly within the existing DBNGP easement, which is gazetted under the <i>Dampier to Bunbury Pipeline Act 1997</i> and the easement identified as Easement A as shown on the deposited plan numbered DP67493.			
DBNGP easement width	The existing DBNGP corridor is 30 m wide. The area cleared and graded in the northern loops (Dampier to Muchea) was approximately 30 m wide, and south of Muchea; the area cleared was 20 to 30 m wide. In environmentally sensitive areas, working widths of 20 m were applied. Additional easements vary in width and all clearing was subject to the conditions of the Ministerial Statement.			
Activities outside the DBNGP easement	Turnarounds, Campsites, Turkey nests, Laydown areas, Water supply sources, Access roads, Works associated with watercourse and dune crossings			
Temporary area of disturbance within DBNGP easement	Approximately 3175 ha, all rehabilitated in consultation with landowners.			
Estimated area of vegetation clearing within DBNGP easement	Approximately 1264 ha, all rehabilitated in consultation with landowners.			
Temporary area of disturbance outside the DBNGP easement	Approximately 139 ha, all rehabilitated in consultation with landowners.			
Construction duration	Construction of the project was commenced in February 2007, and was completed in December 2011.			
Construction workforce	Up to 900 people			

## 1.2 Construction status

The DBNGP Stage 5 Looping Expansion was constructed in stages, the first of which was Stage 5A, which commenced in February 2007 and completed in March 2008. Stage 5B was commenced in January 2009 and construction was effectively completed (except for the crossing of the Fortescue River) by the end of April 2010. The Fortescue River crossing was undertaken and completed to the point of commissioning during August–December 2011.

The statistics related to implementation of the proposal as at 13 December 2011 are summarised in Table 1-2. Of the total 1270 km of the Stage 5 proposal, 1011 km have now been constructed. No construction has been undertaken since December 2011. Therefore, no construction was undertaken during the current reporting period, March 2012 to September 2017.

**Table 1-2: Progress of DBNGP Stage 5 Looping Expansion Project**

Loop	Stage 5	Stage 5A		Stage 5B		Stage 5
	Total Loop Length (km)	Loop Lengths (km)	Status of Loops	Loop Lengths (km)	Status of Loops	Residual (km)
Loop 0	137.2	No construction in Loop 0 undertaken in Stage 5A		114.9	Complete	22.3
Loop 1	123.3	74.0	Complete	32.9	Complete	16.4
Loop 2	104.9	57.8	Complete	31.9	Complete	15.2
Loop 3	113.0	60.3	Complete	34.6	Complete	18.1
Loop 4	112.9	61.9	Complete	33.6	Complete	17.4
Loop 5	119.0	63.7	Complete	34.0	Complete	21.3
Loop 6	131.0	70.5	Complete	35.8	Complete	24.7
Loop 7	142.4	60.4	Complete	44.0	Complete	38.0
Loop 8	96.8	55.3	Complete	21.8	Complete	19.7
Loop 9	127.7	52.0	Complete	23.4	Complete	52.3
Loop 10	61.5	15.1	Complete	33.3	Complete	13.1
TOTAL	1270	571.1	Complete	440.2	Complete	259

## 2. ENVIRONMENTAL COMPLIANCE

Five annual Compliance Assessment Reports (CARs) have been submitted to the Chief Executive Officer (CEO) of the Office of the Environmental Protection Authority (OEPA – now part of the Department of Water and Environmental Regulation [DWER]) during the performance review period, as required by Conditions 4-1 to 4-4 of MS 735 (Table 2-1). Copies are included in Appendix 1.

**Table 2-1: Annual compliance audits**

Stage 5 Compliance Reporting
2012 Annual Compliance Assessment Report (MS 735)
2013 Annual Compliance Assessment Report (MS 735)
2014 Annual Compliance Assessment Report (MS 735)
2015 Compliance Assessment Report (MS 735)
2016 Compliance Assessment Report (MS 735)

Condition 6 of MS 735 requires submission of a written compliance report within 30 days of the conclusion of the construction of each loop section. No construction was completed during the reporting period; thus, no new audit reports have been submitted.

## 2.1 Non-compliances

Two Potential Non-Compliances (or partial non-compliances)<sup>1</sup> have been identified from the five Annual Environmental Compliance Reports submitted as required under the conditions of MS 735 (Table 2-2). Details are provided in the relevant compliance reports presented in Appendix 1. Some further discussion is presented in Section (c). A review of the outcomes of these potential non-compliances indicated that none have resulted in unexpected environmental impact or environmental harm.

**Table 2-2: Potential non-compliances identified through annual environmental compliance reporting**

AECR	Condition No.	Factor	Comment
2012	N/A	None	No potential non-compliances.
2013	14-2	Rehabilitation	No evidence that any measurable or identifiable environmental harm resulted from the potential non-compliances.
	14-4.2		
2014	N/A	None	No potential non-compliances.
2015	N/A	None	No potential non-compliances.
2016	N/A	None	No potential non-compliances.

## 2.2 Non-conformances

No potential non-conformances<sup>2</sup> were identified through annual environmental compliance reporting as Conformance with these management actions was found to be 'Not Applicable' as no construction occurred during the reporting period.

<sup>1</sup> A Potential Non-Compliance is considered to be a potential failure to meet requirements of a condition in the Statement.

<sup>2</sup> A Potential Non-Conformance is considered to be any potential deviation from the procedures, programs and/or management actions detailed within an Environmental Management Plan or similar document.

### 3. MAJOR ENVIRONMENTAL ISSUES ASSOCIATED WITH IMPLEMENTING THE PROJECT

Most of the key issues identified in the environmental impact assessment that formed the basis for approval of the Proposal are associated with the construction phase of implementing the project (Table 3-1). As all construction and rehabilitation works were completed prior to this reporting period, only environmental issues associated with maintenance of the project, specifically rehabilitation monitoring have been included for further discussion.

**Table 3-1: Key environmental issues and project phase**

Environmental issue	Phase
Clearing of vegetation and flora*	Construction
Management of fauna impacts from stress, injury or death associated with entrapment in open trenches	Construction
Disturbance of riparian vegetation associated with watercourse crossings	Construction
Disturbance of wetlands where traversed by the construction	Construction
Dieback and weed management through introduction into uninfested areas or spread within infested areas	Construction
Management of acid sulphate soils	Construction
Rehabilitation of soil cover and vegetation	Overall

\*Ongoing maintenance clearing is undertaken for the purpose of access and line of sight along pipeline easement, this work is managed under the Environmental Plan implemented under *Petroleum Pipelines Act 1969*.

#### 3.1 Rehabilitation of soil cover and vegetation

The environmental objectives for vegetation rehabilitation and soil cover as set out in the Rehabilitation Protocol within the Construction Environmental Management Plan (CEMP) (Strategen 2011) are presented in Table 3-2.

**Table 3-2: Environmental objectives for soil and vegetation rehabilitation**

Issue	Environmental objective
Vegetation	To re-establish vegetation and associated habitat areas to the condition that it was in prior to disturbance or better.
Soil	To control sediment and erosion.

##### (a) Methodology

Rehabilitation of soil cover and vegetation was managed through a range of management actions, which included the following:

1. Small amounts of rocks and stones generated by the construction process were distributed evenly over the construction right-of-way. Where larger volumes of such material were produced, it was removed from site.
2. Areas subject to high traffic movements during construction to be rehabilitated were ripped to a depth of 30 cm, where necessary, prior to resspreading topsoil.

3. Topsoil spreading was managed in accordance with the Soil Management Protocol of the CEMP and with the completion criteria completion criteria set out in the Rehabilitation Protocol of the CEMP.
4. Vegetation spreading was managed in accordance with the Flora and Vegetation Management Protocol of the CEMP and with the completion criteria set out in the Rehabilitation Protocol of the CEMP.
5. Erosion was managed in accordance with the Soil Management Protocol (Section 16) and with the completion criteria set out in the Rehabilitation Protocol of the CEMP
6. If the construction works resulted in subsequent erosion of watercourses, reasonable remedial action was to be taken if requested by the Department of Water (DoW). This would require that the erosion was demonstrably attributable to the construction work or an associated activity by DBP.
7. Rehabilitation of watercourse crossings was undertaken in accordance with a Department of Water approved plan. As far as practicable, riverbeds and banks were landscaped to their former pre-disturbance condition to ensure that watercourse crossings retained their form and function.
8. Rehabilitation of mobile dune areas was managed in accordance with the Dune Crossing Protocol of the CEMP.
9. All wetlands were reinstated as close as possible to their original profile and condition.
10. Post construction weed and disease management comprised:
  - (a) Stockpiles of weed and weed-free material and dieback and dieback free material, were kept separate.
  - (b) Drainage for dieback or weed infected areas was designed to prevent water draining into dieback or weed free areas.
  - (c) Stockpiles of all soils and vegetation material were only respread back to their point of origin.

(b) Key indicators and performance

The performance indicators for soil and vegetation rehabilitation as set out in the Rehabilitation Protocol within the CEMP (Strategen 2011) are presented in Table 3-3.

**Table 3-3: Environmental performance indicators for soil and vegetation rehabilitation**

Issue	Performance Indicator
Vegetation	Achievement of the completion criteria set out in the Rehabilitation Protocol of the CEMP.
Soil	Achievement of the completion criteria set out in the Rehabilitation Protocol of the CEMP.

The Rehabilitation Management Plan was revised and amended under condition 14-3 of MS735 in 2015. The revision was undertaken in consultation with an environmental specialist, Department of Parks and Wildlife (DPaW, now Department of Biodiversity, Conservation and Attractions [DBCA]), OEPA (now Department of Water and Environmental Regulation) and Department of Mines and Petroleum (DMP, now Department of Mines, Industry Regulation and Safety [DMIRS]). The revision focussed on amending the completion criteria to be practical across the full range of highly variable environmental conditions along the length of the pipeline, and thus provide achievable outcomes. The amendment was approved by the OEPA on 4 February 2015. The completion criteria set out in the Rehabilitation Protocol of the CEMP prior to the revision in 2015, are presented in Table 3-4. The completion criteria set out in the Rehabilitation Protocol of the CEMP after the revision in 2015, are presented in Table 3-5.

**Table 3-4: Rehabilitation Completion Criteria (prior to February 2015 amendment)**

Aspect	Objective	Criteria	Assessment Method
Weeds	To facilitate the establishment of native plant species where native vegetation has been removed during the construction process.	Minimise the spread and intensification of weed infestations through vehicle hygiene protocols.	Visual inspection of the area of disturbance, with backing from photographs, baseline surveys and rehabilitation monitoring datasets.
		The foliage cover of declared and environmental weeds within disturbed areas should be similar to vegetation immediately adjacent to the area of disturbance after 12 and 24 months.	Visual inspection of the area of disturbance, with backing from photographs, baseline surveys and rehabilitation monitoring datasets.
Flora and Vegetation (where native vegetation has been removed during the construction process)	To facilitate the establishment of native plant species, where native vegetation has been removed during the construction process.	A minimum of 1 native plant per square metre when averaged over the entire area rehabilitated at 12 months. A minimum of 2 native plants per square metre when averaged over the entire area rehabilitated at 24 months.	Visual inspection of the area of disturbance, with backing from photographs, baseline surveys and rehabilitation monitoring datasets.
		Percentage foliage cover of native species indigenous to each plant community is greater than or equal to 40% foliage cover in vegetation immediately adjacent to the area of disturbance after 24 months (excluding pipeline access track).	Visual inspection of the area of disturbance, with backing from photographs, baseline surveys and rehabilitation monitoring datasets.
		Species Richness of greater than or equal to 50% (unless negotiated otherwise with DEC) in vegetation immediately adjacent to the area of disturbance after 24 months.	Visual inspection of the area of disturbance, with backing from photographs, baseline surveys and rehabilitation monitoring datasets.



**Table 3-5: Amended rehabilitation criteria approved in February 2015**

Aspect	Completion Criteria	
	General Right of Way (GRoW)	Areas of High Conservation Value (HCV) <sup>1</sup>
Native plant species density	Perennial native plant species density is greater than or equal to 40% of that of the adjacent control area at 36 months.	Perennial native plant species density is greater than or equal to 50% of that of the adjacent control area at 36 months.
Native species richness	Perennial native species richness equals or exceeds 40% of that of the adjacent control area at 36 months.	Perennial native species richness equals or exceeds 50% of that of the adjacent control area at 36 months.
Weed foliage cover	Percentage foliage cover of perennial native species indigenous to each vegetation community is greater than or equal to 40% of that of the adjacent control area at 36 months.	Percentage foliage cover of perennial native species indigenous to each vegetation community is greater than or equal to 50% of that of the adjacent control area at 36 months.
Native plant foliage cover	Foliage cover of Declared and Environmental Weeds <sup>2</sup> is not greater than that of the adjacent control area at 12 and 24 months (excluding extensive populations of negligible and low ranking weed species).	Foliage cover of Declared and Environmental Weeds <sup>2</sup> is not greater than that of the adjacent control area at 12 and 24 months (excluding extensive populations of negligible and low ranking weed species).

1 Areas of high conservation value include Conservation Parks and Nature Reserves traversed by the DBNGP

2 Environmental Weed Ranking: Environmental Weed Strategy for W.A. (DPaW, 2013)

(i) Vegetation

All rehabilitation sites have met completion criteria except for Stage 5B Loop 9 HCV. Stage 5B Loop 9 HCV was not assessed within the 2016 reporting period and will be reassessed in 2017, as additional time to achieve the criteria was deemed necessary.

(c) Environmental compliances

Two Potential Non-Compliances (or partial non-compliances) relating to management of vegetation rehabilitation were identified in the 2013 audit period, under Condition 14.2 and Condition 14.4:2 of MS 735.

Condition 14.2 states:

*Manage rehabilitation of the pipeline route until the rehabilitation completion criteria, referred to in condition 14-1, have been achieved (Note: obligations under DoIR legislation mean the vehicular access track must be maintained and thus certain completion criteria may not be achievable within the access track).*

Applicable completion criteria are as follows:

1. A minimum of 1 native plant per square metre when averaged over the entire area rehabilitated at 12 months.

2. A minimum of 2 native plants per square metre when averaged over the entire area rehabilitated at 24 months
3. Percentage foliage cover of native species indigenous to each plant community is greater than or equal to 40% of foliage cover in vegetation immediately adjacent to the area of disturbance after 24 months (excluding pipeline access track).

(i) Monitoring results

Mattiske (2012) identified that baseline completion criteria that have been set seemed inappropriate for the assessment of rehabilitation along all areas of the DBNGP corridor for the following reasons:

1. The high density of Buffel Grass, introduced by pastoralists for livestock fodder, and Cape Weed, within sections of the northern pastoral and agricultural areas has heavily influenced monitoring results in both the Control and General Right of Way (GRoW). This indicated a need to reconsider the definition of 'weeds' in both areas.
2. The criteria for native plant density, richness and cover cannot be achieved in many Control areas; therefore, it is unrealistic to impose similar standards along the alignment.
3. The erratic nature of seasonal growth conditions in Pastoral Areas can result in irregular native regrowth in disturbed areas. This indicated a need to reconsider related criteria and modify them according to the current values in the Control areas.
4. In some Agricultural Areas, non-wetting soils have restricted favourable establishment and growth conditions for native species.

Condition 14.4:2 states:

*Implement the Rehabilitation Management Plan and subsequent revisions until such time as the completion criteria are met.*

Refer to condition 14.2 above.

The potential non-compliance related to completion criteria timing.

(ii) Outcome

Discussions commenced in 2014 with the OEPA and DPaW (now DBCA) regarding Conditions 14.2 and 14.4:2, future remediation options and revised completion criteria, so that these items could be assessed as compliant or completed. DBP alerted OEPA that rehabilitation monitoring had identified that completion criteria were not being met, citing the difficulties with the specificity of criteria intended to apply across a wide range of diverse landscapes as discussed above. As a result, during 2014, DBP revised the RMP to the satisfaction of the CEO of the EPA and in consultation with DPaW (now DBCA) and DMP (now DMIRS) to improve the relevance of the completion criteria. The revision is discussed further in Section 0.

(d) Environmental outcome for soil cover and vegetation

(i) Vegetation

Rehabilitation results for the 2014 reporting period confirmed rehabilitation success against the revised criteria. Results identified that a total of ten sites met, or were likely to meet, the completion criteria and thus recommended cessation of further monitoring of those sites.

Mattiske (2014a) reported the following results:

*Stage 5A:*

Stage 5A looping expansions generally performed well against minimum standards outlined in the revised completion criteria. Loops 4, 6 and 10, all GRoW sites, only failed to satisfy percentage native plant foliage cover targets. Loop 8 GRoW failed to satisfy both native species richness and native plant density targets. Loop 1 HCV failed to satisfy both native plant species density and percentage native plant foliage cover, whilst Loop 5 HCV failed to satisfy the native species richness target.

*Stage 5B:*

Stage 5B looping expansions generally performed well against minimum standards outlined in the revised completion criteria; however, Loops 1 HCV, 2 GRoW, 4 GRoW and 5 HCV failed to satisfy percentage native plant foliage cover targets. Loop 8 GRoW failed to satisfy native species richness and density, and Loop 10 GRoW failed to satisfy native species density and percentage native plant density targets. Loop 9 HCV rehabilitation performed particularly poorly against specified criteria, the deep unconsolidated sands of the right-of-way in this area resulted in widespread plant deaths from heat and water stress.

The Rehabilitation Monitoring Report referred to above was followed up with summary reports that included recommendations for future monitoring (Mattiske 2014b and 2014c). Completion criteria were separated as to survey sites located in areas traversed by the DBNGP considered to be general right-of-way (GRoW) and survey sites located in areas traversed by the DBNGP considered to be of High Conservation Value (HCV; Conservation and National Parks, Nature Reserves and State Forest).

The results and recommendations presented in these reports are summarised in Table 3-6.

**Table 3-6: 2014 rehabilitation monitoring recommendations**

Stage	Monitoring recommendation	
	Cease	Continue
5A	Loop 1 GRoW Loop 2 GRoW Loop 3 GRoW Loop 4 GRoW Loop 5 GRoW Loop 6 GRoW Loop 7 GRoW Loop 8 HCV Loop 9 GRoW Loop 10 GRoW	Loop 1 HCV Loop 5 HCV Loop 8 GRoW

Stage	Monitoring recommendation	
	Cease	Continue
5B	Loop 0 GRoW Loop 1 HCV Loop 2 GRoW Loop 3 GRoW Loop 4 GRoW Loop 5 HCV Loop 6 GRoW Loop 7 GRoW	Loop 8 GRoW Loop 9 HCV Loop 10 Grow

The six sites identified in the 2014 audit period as requiring further monitoring to achieve a positive trajectory were monitored in the 2015 audit period (Mattiske 2015) generating the following results:

*Stage 5A:*

Stage 5A Loops 1 and 5 HCV rehabilitation areas satisfied all minimum requirements outlined in the completion criteria. Stage 5A Loop 8 General Right of Way (GRoW) areas satisfied three out of the four minimum requirements outlined in the completion criteria. Improvements in native perennial species richness and plant foliage cover were recorded, however native perennial plant density in rehabilitation areas only achieved 32% of that recorded in the corresponding controls.

*Stage 5B:*

Stage 5B Loops 8 and 10 GRoW rehabilitation areas satisfied all minimum requirements outlined in the completion criteria. Despite improvements between 2014 and 2015, Loop 9 HCV rehabilitation areas failed to achieve minimum requirements outlined in the completion criteria for native perennial species richness, percentage native perennial plant foliage cover and percentage weed foliage cover.

The Rehabilitation Monitoring Report identified two sites for continued monitoring to ensure completion of the minimum criteria. These were Stage 5A Loop 8 under and Stage 5B Loop 9. Stage 5A Loop 8 failed to meet requirements for plant species diversity and Stage 5B Loop 9 failed to meet minimum targets for species richness and plant foliage cover.

All remaining sites were recommended for closure.

The results and recommendations presented in these reports are summarised within Table 3-7 below. All relevant rehabilitation monitoring reports have been provided in Appendix 1 as appendices of the Annual Compliance Reports provided.

**Table 3-7: 2015 rehabilitation monitoring recommendations**

Stage	Monitoring recommendation	
	Cease	Continue
5A	Loop 1 HCV Loop 5 HCV	Loop 8 GRoW
5B	Loop 8 GRoW Loop 10 Grow	Loop 9 HCV

One site, Stage 5A Loop 8 GRoW, was monitored in the 2016 audit period (Mattiske 2016) generating the following results:

*Stage 5A:*

The Stage 5A Loop 8 GRoW rehabilitation area had improved in native perennial species richness and plant density, while native perennial foliage cover remained relatively static between the 2015 and 2016 surveys. All minimum requirements outlined in the completion criteria were met and the site was recommended for closure.

The remaining site, Stage 5B Loop 9 HCV, was not assessed within the 2016 reporting period and will be reassessed in 2017, as additional time to achieve the criteria was deemed necessary.

The results and recommendations presented in these reports are summarised within Table 3-8 below. The rehabilitation monitoring report has been provided as Appendix B.

**Table 3-8: 2016 rehabilitation monitoring recommendations**

Stage	Monitoring recommendation	
	Cease	Continue
5A	Loop 8 GRoW	
5B		Loop 9 HCV (not assessed during 2016 audit period)

(ii) Soil

Soil management techniques employed on the project resulted in topsoil being retained and returned to the reinstated areas of disturbance along the alignment and in any areas where off-easement facilities were located. Erosion prevention berms were established along the rehabilitated CROW to eliminate soil erosion caused by overland flow in disturbed areas (particularly within sloping areas near watercourses), prior to reestablishment of vegetation cover. No evidence of significant soil erosion or sedimentation has been reported that was inconsistent with the surrounding area during the reporting period.

## 4. LEVEL OF PROGRESS IN ACHIEVING SOUND ENVIRONMENTAL PERFORMANCE

Environmental performance of the project was achieved through implementation of systems, procedures and techniques, which are briefly described in the following sections.

### 4.1 Construction environmental management plan

No construction was completed during the current reporting period, March 2012 to September 2017.

### 4.2 Environmental audits

Following completion of construction, no construction environmental audits have been undertaken; however, monitoring of implementation of the CEMP post-construction was achieved through formal, independent audits of compliance with the Statement conditions, and conformance with key actions in the CEMP for each loop segment. These audits were reported to the OEPA as required by a Statement condition. Five such audits were undertaken during the current reporting period. The results of these audits are discussed in Section 2.

Previously, in addition to the above annual assessments, regular internal audits against all management actions set out in the CEMP as appropriate to the locality and stage of construction at the time of the audit had been conducted, with follow up and close-out of any potential identified non-conformances.

## 5. SIGNIFICANT IMPROVEMENTS GAINED IN ENVIRONMENTAL MANAGEMENT

On 18 December 2014, DBP issued Revision 5 to the Rehabilitation Management Plan (Rev 5) developed in consultation with DPaW (now DBCA) and DMP (DMIRS) to improve the relevance of the completion criteria, and better allow for variation in biological values. EPA endorsed this revision on 4 February 2015.

Specifically, the changes to the completion criteria were:

- splitting the criteria into two categories, General Right of Way (GRoW) and Areas of High Conservation (HCV) i.e. Parks and Wildlife conservation reserve managed lands
- the addition of the word 'perennial' to specify the native species.
- the percentages for 'Native plant species density' and 'Native plant foliage cover' for the areas of high conservation value were increased from 40% to 50%.

No other significant improvements were necessary or occurred during the reporting period.

## 6. STAKEHOLDER AND COMMUNITY CONSULTATION ABOUT ENVIRONMENTAL PERFORMANCE

Prior to implementation of the proposal, there was substantial stakeholder and community consultation to support an Assessment on Referral Information level of assessment. The key agencies were consulted and closely involved in preparation of the relevant management protocols forming the CEMP. There was also substantial consultation with landholders whose properties were traversed by the DBNGP and whose use of the land might be affected by the construction work. In these cases, individual landholder agreements were established, which considered a range of concerns, including use of the land, reinstatement, and rehabilitation. The requirements of all landholder agreements were met prior to sign-off on contractor agreements regarding achievement of completion of the works.

Field inspections by DBCA staff, audits by DMIRS and Annual Compliance Reviews provided to the EPA are ongoing. In addition, consultation with affected landholders continues to be carried out regularly, with environmental performance one of the topics open for discussion. No significant public complaints were made regarding environmental aspects of the project in the reporting period (Table 6-1).

**Table 6-1: Summary of public complaints**

Reporting period	Complaints
2011-2012	The 2012 Stage 5 Expansion loop AER reported ten landholder visits in relation to complaints. A summary is provided in Table 6 1.
2012-2013	No substantiated complaints were recorded during the 2012–2013 reporting period.
2013-2014	A total of three landholders raised concerns with DBP relating to inadequate notification prior to arrival on site. DBP investigated these concerns and identified a specific contractor that was failing to implement DBP’s landholder notification protocol. The contractor was formally advised of the seriousness of this breach and reminded to stringently implement this protocol in future. Follow up with affected landholders indicated that they were satisfied with this response and as such these were not deemed to represent significant complaints.
2014-2015	No substantiated third-party complaints were received regarding land management or environmental issues. This did not include those specific to an event/incident as reported previously. Two queries were raised through the process relating to ensuring land owner notification prior to entering a property and one associated with another pipeline owner/operator.
2015-2016	No substantiated third-party complaints were received regarding land management or environmental issues. Three queries were raised through the process relating to ensuring land owner notification prior to entering a property in 2014-2015; these were not closed out in May 2016 as part of addition to the new Land Management System.

Table 6-2: Summary of complaints and related landholder consultation in 2012

Property Code	Phone or visit	Description of complaint	Completion notes
DB1067	P	Minor activity by landowner occurred on the western edge of the easement at property number DB1067, 436 Young Road, Baldivis. Landowner made complaint that works were not on DBNGP easement when contacted by ASO, and raised historical problems with DBNGP.	Landowner has history of complaints with DBNGP.
DB1155	P	Spread of weeds (Paterson's curse) on landowner's property after movement of vehicles onto his land from neighbour's weed-infested property.  Landowner queried what activities could be undertaken on his property in relation to the DBNGP easement.	Arrangement made for follow-up phone call in October 2011. Landowner was provided <i>Pipeline Safety and You</i> brochure for information.
DB0606	V	Landowner visit undertaken on 07/11/11 in relation to a complaint regarding removal of trees from the easement in error. Landowner requested compensation for these trees and complained that he had lost 15% of his property which has been solely used for tree planting and requested compensation.  Additionally, contractor had promised to reseed the easement with appropriate grasses and had failed to do so.  Landowner also had queries as follows: <ul style="list-style-type: none"> <li>• Feasibility of planting trees on easement</li> <li>• Depth of soil disturbance considered appropriate for maintaining firebreak around pipeline easement.</li> </ul>	Landowner provided with maps of easement and pipelines. Further queries were to be made to RDL and DBP regarding suitable tree species and planting requirements. Landowner updated with relevant information and complaint closed out.
DB0494	V	Annual landowner visit conducted. Landowner noted that ROW looked overgrown.	Provision of <i>Pipeline Safety and You</i> brochure and other relevant information. Item included on civil maintenance annual maintenance list. Complaint closed out.
DB0513	V	Landowner complained of salt being brought to land surface, coffee rock preventing grass growth, wattles overgrowing corridor. Landowner requested clearance of wattles as this overgrowth has prevented him from grazing horses in the paddock.	DBP officer visited the landowner at the property and confirmed wattle overgrowth, which obscured some pipeline warning markers. Request was made to investigate options for the clearing. Landowner provided with <i>Pipeline Safety and You</i> brochure and DBNGP Akubra hat. Documentation completed. Item included on civil maintenance annual maintenance list. Complaint closed out.
DB1155	P	Contractor spoke to landowner to seek permission to enter property and replace Air Surveillance Marker signage and was refused access verbally. Landowner agreed with works via subsequent phone call.	Contractors informed to brush down tyres and boots to prevent introduction of noxious weeds prior to entry into property. Complaint closed out.



**Dampier to Bunbury Natural Gas Pipeline Stage 5 Looping Expansion Project**

Property Code	Phone or visit	Description of complaint	Completion notes
DB0413	V	Landowner complaint regarding unauthorised access for replacement of aerial marker sign. Landowner complained of a range of issues including poor communication, desecration of property, gate opening/closing issues and disregard of agreed arrangements.	Investigation to be undertaken and all personnel to be alerted to notes on this property, and information on access and communication requirements.
DB1103	V	Landowner complained that signage in his paddocks was excessive.	DBP officer obtained images of signage for investigation and review. PICD form filled out. Pipeline Safety and You brochure and aerial map of property provided to landowner. Landowner to be advised of outcome of investigation. Report to reduce/remove signage rejected and landowner informed accordingly. Complaint closed out.

DBP anticipates no significant ongoing stakeholder concerns regarding environmental performance given the stage of the project, with only minor rehabilitation requirements to complete.

## 7. PROPOSED ENVIRONMENTAL OBJECTIVES OVER THE NEXT FIVE YEARS

DBP will continue to monitor rehabilitation of the last remaining site Stage 5B Loop 9 HCV until completion criteria have been achieved. The next Stage 5B Loop 9 HCV rehabilitation monitoring program will be undertaken in Spring 2017.

DBP undertakes regular surveillance (by road and air) of the whole DBNGP inclusive of Stage 5 Loops and maintains records of surveillance to ensure the integrity of the gas pipelines are maintained. Observations are made regarding:

- third party encroachments
- erosion and changing landforms
- damaged or missing signage
- vegetation overgrowth and clearing
- damaged or missing gates and fences
- impediments to and condition of access roads
- security violations
- weed infestation
- any other issues of significance to the integrity of the corridor.

Aerial and road surveillance and land holder liaisons form part of the Asset Management Plan and will continue for the life of the pipeline.

## 8. REFERENCES

- Mattiske Consulting Pty Ltd (Mattiske) 2012, Dampier to Bunbury Natural Gas Pipeline (DBNGP) Flora and Vegetation Rehabilitation Monitoring: Stage 5A Loops 1-6, reported prepared for DBNGP (WA) Nominees Pty Ltd, March 2012.
- Mattiske Consulting Pty Ltd (Mattiske) 2014a, Dampier to Bunbury Natural Gas Pipeline (DBNGP) Flora and Vegetation Assessment of Stage 4, 5A and 5B Control and Rehabilitation Areas, report prepared for DBNGP (WA) Nominees Pty Ltd, October 2014.
- Mattiske Consulting Pty Ltd (Mattiske) 2014b, Dampier to Bunbury Natural Gas Pipeline (DBNGP) Summary of Stage 5A Rehabilitation Success – Towards Closure, report prepared for DBNGP (WA) Nominees Pty Ltd, October 2014.
- Mattiske Consulting Pty Ltd (Mattiske) 2014c, Dampier to Bunbury Natural Gas Pipeline (DBNGP) Summary of Stage 5B Rehabilitation Success – Towards Closure, report prepared for DBNGP (WA) Nominees Pty Ltd, October 2014.
- Mattiske 2015, Reassessment of Selected Stage 4, 5A & 5B Control and Rehabilitation Areas, report prepared for DBNGP (WA) Nominees Pty Ltd, November 2015.
- Mattiske 2016, Reassessment of Selected 5A Loop 8 GRoW Areas, report prepared for DBNGP (WA) Nominees Pty Ltd, December 2016.
- Strategen 2011, DBNGP Stage 5 Expansion Looping Project, DBPL00-501-0722-01 Construction Environmental Management Plan, Controlled Version 2, prepared for DBP by Strategen, Subiaco, Western Australia.

**Appendix 1**  
**Annual compliance assessment reports**





# DBNGP Stage 5 Looping Expansion Project

2012 Annual Environmental Compliance  
Report (Statement No. 735)

**DRAFT**

Prepared for  
DBNGP (WA) Nominees Pty Ltd  
by Strategen

February 2013



**STRATEGEN**  
environmental consultants



# **DBNGP Stage 5 Looping Expansion Project**

2012 Annual Environmental Compliance  
Report (Statement No. 735)

**DRAFT**

Strategen is a trading name of  
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February 2013

### **Disclaimer and Limitation**

This report has been prepared for the exclusive use of DBNGP (WA) Nominees Pty Ltd, in accordance with the agreement between DBNGP (WA) Nominees Pty Ltd and Strategen ("Agreement"). The purpose of the report is to document an environmental compliance audit undertaken by Strategen for DBNGP (WA) Nominees Pty Ltd to satisfy Conditions 4-1 to 4-4 of Statement No. 735 issued under the provisions of Part IV of the Environmental Protection Act 1986.

Strategen accepts no liability or responsibility whatsoever for it in respect of any use of or reliance upon this report by any person who is not a party to the Agreement.

In particular, it should be noted that this report is a qualitative assessment only, based on the scope of services defined by DBNGP (WA) Nominees Pty Ltd, budgetary and time constraints imposed by DBNGP (WA) Nominees Pty Ltd, the information supplied by DBNGP (WA) Nominees Pty Ltd (and its agents), and the method consistent with the preceding.

Where practicable to do so, Strategen has attempted to verify the accuracy and completeness of the information supplied by DBNGP (WA) Nominees Pty Ltd. Where it has not been possible to independently verify information, Strategen has reached conclusions, using its best professional judgement, based on the information provided.

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### **Client: DBNGP (WA) Nominees Pty Ltd**

Report Version	Revision No.	Purpose	Strategen author/reviewer	Submitted to Client	
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# 1. INTRODUCTION

The Dampier to Bunbury Natural Gas Pipeline (DBNGP) Stage 5 Looping Expansion project involves construction of eleven pipeline loops adjacent (and connected) to the existing DBNGP. Completion of the expansion will result ultimately in completion of duplication of the pipeline from Dampier to Wagerup. The key characteristics of the proposal are presented in Table 1.1. The Stage 5 Looping Expansion project, which continues from Stage 4 (completed in 2006), involves a total length of approximately 1270 km of pipeline.

The proposal for the Stage 5 Looping Expansion was approved for implementation under Part IV of the *Environmental Protection Act 1986* with issue of Statement No. 735 (the Statement) on 13 December 2006. DBNGP (WA) Nominees Pty Limited, trading as Dampier Bunbury Pipeline (DBP), is the Proponent of the DBNGP Stage 5 Expansion project.

The Statement requires submission of an annual compliance report to address the status and compliance of the DBNGP Stage 5 Looping Expansion project with Statement conditions and key actions in accordance with the annual compliance reporting requirements of Conditions 4–1 to 4–4 of the Statement.

Implementation of the Stage 5 project commenced in February 2007, and is being undertaken in three stages. The first stage (Stage 5A) was completed in March 2008. Stage 5B commenced in January 2009 and was effectively completed in early 2010, with the exception of the crossing of the Fortescue River. The Fortescue River Crossing section was undertaken over the period August 2011 to December 2011 inclusive. WestNet Energy (previously Alinta Asset Management) was contracted by DBP to provide project management for Stages 5A and 5B of the DBNGP Looping Expansion Project. DBP undertook project management of the Fortescue River crossing.

The anniversary date for submission of compliance reports is 13 December each year. This report has been prepared to demonstrate compliance with the Statement conditions for the period from 14 December 2011 to 13 December 2012 inclusive. The report comprises the findings of an audit of compliance with:

- conditions and procedures contained within the Statement as required by Condition 4–3(2) of the Statement
- key actions contained within management plans or programs as required by Conditions 4–3(4) of the Statement.

As Stage 5A of the proposal was completed in March 2008 and Stage 5B was completed in November 2011, no construction activities were conducted during the reporting period 14 December 2011 to 13 December 2012.

## 1.1 The proposal

Table 1.1 presents the key characteristics of the proposal as presented in the environmental impact assessment report (Strategen 2006). There has been no change to the proposal since issue of the Statement.

DBNGP (WA) Nominees Pty Limited trading as Dampier Bunbury Pipeline (DBP) remains the Proponent of the DBNGP Stage 5 Looping Expansion project and there has been no change in responsibility for proponentcy.

Table 1.1 Key characteristics of the Stage 5 Looping Expansion

Aspect	Proposal			
Location	There will be eleven loops. The first loop starts at about 2 km south of Dampier. The last loop is south of compressor station 10, which starts at about 17 km southeast of Rockingham, and ends at Wagerup West (Main Line Valve 144).			
Proposed action	Construct eleven pipeline looping lengths of 660 mm in diameter, buried adjacent to the existing DBNGP. These pipeline lengths will be looped to the existing DBNGP to increase flow of natural gas.			
Total length of looping	Approximately 1270 km			
Characteristics of each loop	No.	Approx. length	Biogeographical region	Shires
	0	137.2 km	Pilbara	Shire of Roebourne
	1	123.3 km	Pilbara	Shire of Ashburton
	2	104.9 km	Carnarvon, Gascoyne	Shire of Ashburton
	3	113.0 km	Carnarvon, Gascoyne	Shire of Carnarvon
	4	112.9 km	Carnarvon	Shire of Carnarvon, Shire of Upper Gascoyne
	5	119.0 km	Carnarvon, Yalgoo	Shire of Shark Bay
	6	131.0 km	Yalgoo, Geraldton Sandplains	Shire of Northampton, Shire of Chapman Valley, Shire of Mullewa
	7	142.4 km	Geraldton Sandplains	Shire of Mullewa, Shire of Irwin, Shire of Carnamah
	8	96.8 km	Geraldton Sandplains, Swan Coastal Plain	Shire of Coorow, Shire of Dandaragan, Shire of Gingin
	9	127.7 km	Swan Coastal Plain	Shire of Gingin, Shire of Chittering, City of Swan, City of Belmont, Shire of Kalamunda, City of Gosnells, City of Armadale, City of Cockburn, Town of Kwinana
10	61.5 km	Swan Coastal Plain	Shire of Serpentine–Jarrahdale, Shire of Murray, Shire of Waroona	
Proposed tenure	The completed pipeline will be wholly within the existing DBNGP easement, which is gazetted under the Dampier to Bunbury Pipeline Act 1997 and the easement identified as Easement A as shown on the deposited plan numbered DP67493.			
DBNGP easement width	The existing DBNGP easement is 30 m wide. The area to be cleared and graded in the northern loops (Dampier to Muchea) will be approximately 30 m and south of Muchea, the area cleared will be 20 to 30 m. In environmentally sensitive areas, working widths will be 20 m. Additional easements may vary in width and all clearing will be subject to the conditions of the Ministerial Statement.			
Activities outside the DBNGP easement	Turnarounds, Campsites, Turkey nests*, Laydown areas, Water supply sources, Access roads, Works associated with watercourse and dune crossings			
Temporary area of disturbance within DBNGP easement	Approximately 3175 ha, all to be rehabilitated in consultation with landowners.			
Estimated area of vegetation clearing within DBNGP easement	Approximately 1264 ha, all to be rehabilitated in consultation with landowners.			
Temporary area of disturbance outside the DBNGP easement	Approximately 139 ha, all to be rehabilitated in consultation with landowners.			
Construction duration	The Stage 5 Expansion will be constructed in stages, with Stage 5A commencing in February 2007. The subsequent stages will be constructed to match the increasing demand in fuel gas, and full looping is expected to be substantially completed within five years of approval.			
Construction workforce	Up to 900 people			

\* Turkey nests are artificially created water storages constructed by hollowing out an area of land and using the fill to build up its sides.

## 1.2 Environmental approval

DBNGP (WA) Nominees Pty Ltd (DBP) was granted environmental approval for the DBNGP Stage 5 Looping Expansion proposal under Part IV of the *Environmental Protection Act 1986* (EP Act). The Minister for Environment approved the proposal on 13 December 2006 with the release of Statement No. 735, which includes environmental conditions under which the proposal is to be implemented. Of the 72 environmental conditions, the majority of conditions relate to the preparation and implementation of management plans addressing areas of potential environmental risk identified during the assessment.

The required management plans were prepared and consolidated as management protocols into a Construction Environmental Management Plan (CEMP) (DBP 2011) that addressed a number of environmental factors additional to those required under the Statement, in order to meet the requirements of all environmental regulators.

## 2. Audit methodology

### 2.1 Audit plan

#### 2.1.1 Purpose and scope

The purpose of this document is to enable compliance with Conditions 4–1 to 4–4 of Statement No. 735:

- 4–1 *The proponent shall submit to the CEO environmental compliance reports annually reporting on the previous twelve-month period, unless required by the CEO to report more frequently.*

*Note: Annual reporting shall continue until such time as the Minister for the Environment determines on advice from the Environmental Protection Authority that the proponent has fulfilled its responsibilities in relation to the conditions within this Statement.*

- 4–2 *The environmental compliance reports shall address each element of an audit program approved by the CEO and shall be prepared and submitted in a format acceptable to the CEO.*

- 4–3 *The environmental compliance reports shall:*
1. *be endorsed by signature of the proponent's Chairman or a person, approved in writing by the Chairman, delegated to sign on behalf of the proponent's Chairman;*
  2. *state whether the proponent has complied with each condition and procedure contained in this statement;*
  3. *provide verifiable evidence of compliance with each condition and procedure contained in this statement;*
  4. *state whether the proponent has complied with each key action contained in any environmental management plan or program required by this statement;*
  5. *provide verifiable evidence of conformance with each key action contained in any environmental management plan or program required by this statement;*
  6. *identify all non-compliances and non-conformances and describe the corrective and preventative actions taken in relation to each non-compliance or non-conformance;*
  7. *provide an assessment of the effectiveness of all corrective and preventative actions taken; and*
  8. *describe the state of implementation of the proposal.*

- 4–4 *The proponent shall make the environmental compliance reports required by condition 4–1 publicly available in a manner approved by the CEO.*

This report relates to Stage 5 of the DBNGP for the period 14 December 2010 to 13 December 2011.

The report has been prepared for submission by DBP to the Chief Executive Officer of the Office of the Environmental Protection Authority (OEPA) (formerly, for compliance reporting, the Department of

Environment and Conservation [DEC]) to meet the requirements of Condition 4–1 of Statement No. 735 for submission of an annual compliance report.

The audit usually includes a determination as to whether a number of management plans are being implemented (as they are conditions of the Statement) and for this purpose, a number of key actions from the plans have been provided by DBP for the audit. The Key Actions were adopted by DBP for inclusion in annual compliance reports on Stage 5A, which were accepted by the DEC (now OEPA) and have been used for all subsequent compliance reporting. However, these Key Actions have not been included in this audit as no construction has occurred during this audit period.

It is also noted that where a previous Compliance Report has indicated a condition was 'Cleared', 'Completed' or 'Satisfactory during this period', and there has been no further requirement to implement the action, the evidence associated with the previous audit determination has been accepted without verification.

### 2.1.2 Methodology

The audit was conducted in December 2012-February 2013.

The audit involved a review of written documentation and consultation with personnel outlined in Table 2.1.

Table 2.1 Persons consulted during audits

Person and position	Organisation	Purpose
Kylie McKay Senior Environmental Advisor	DBP	To determine compliance in relation to the conditions of Statement 735.

The required reporting includes “whether the proponent has complied with each condition and procedure contained within the statement” and “conformed with each key action” (Conditions 4–3(2) and 4–3(4) respectively). This section describes how compliance with each condition and conformance with key actions has been audited and reported.

Where evidence has been presented in previous compliance reports, it has not been included with this report to minimise the bulk of reporting.

Audit results relating to the Statement conditions and key actions are summarised in Section 4 and detailed audit results presented in Section 5.

Where potential non-compliances have been identified, the corrective and preventative actions taken are described and an assessment of their effectiveness as required by Conditions 4–3(6) and 4–3(7) is provided in Section 4.3.

#### *Compliance with Statement No. 735*

An audit of compliance with the conditions and procedures of the Statement was conducted and a compliance status rating was applied in accordance with terminology described in Section 2.2. The full audit is presented in Section 5.1. The identified potential non-compliances are presented in Section 4.1.

#### *Conformance with Key Actions*

Condition 4–3(4) requires DBP to report on conformance with each key action contained within any management plan or program required by Statement No. 735. The conformance status rating was also applied in accordance with the Section 2.2 terminology.

Environmental management is primarily achieved through implementation of the CEMP, which contains a number of management protocols<sup>1</sup> that directly relate to all the construction requirements of the Ministerial Conditions. These protocols include a range of additional specific management actions reflecting good management. A number of the management actions within the CEMP directly reflect specific prescriptive conditions within the Statement.

Key actions from the CEMP have been identified as being:

- those management actions in the CEMP protocols implemented to manage a condition of the Statement
- those management actions in CEMP protocols that reflect a key intent of a condition of the Statement.

Using the above definition, key actions have been derived and audited. These key actions have been adopted for all compliance reporting to date. The results of the audit of key actions are presented in Section 4.1 and details of identified potential non-conformances are presented in Section 4.2.

#### *Corrective and preventative actions*

Statement Conditions 4–3(6) and 4–3(7) require descriptions of corrective and preventative actions taken in relation to each non-compliance or non-conformance, together with assessments of their effectiveness. These are presented in Section 4.3.

#### *Evidence verification*

Evidence to substantiate compliance with conditions contained within Statement No. 735 and key actions contained within the management plans or programs as required by Conditions 4–3(3) and 4–3(5) has been sourced from previous compliance reports and documentation provided by the proponent.

## 2.2 Audit terminology

The 'Status' field of the audit tables (refer to Table 5.1) describes the implementation of actions and compliance with the Statement. The status of each action is described using terminology prescribed by the Department of Environment and Conservation (DEC 2007) (Table 2.2). DEC (now OEPA) (2007) considers a non-compliance to be a failure to meet requirements specified in the Statement, and a non-conformance to be any deviation from procedures, programs and/or management actions detailed within an Environmental Management Plan.

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<sup>1</sup> The management protocols in the CEMP include all the environmental management plans required under Statement No. 735 to be prepared for implementation of the proposal.

Table 2.2 Action implementation status

<b>'Status' Term</b>	<b>Description</b>	<b>Notes</b>
Satisfactory during this period	The action has been satisfactorily implemented during the audited period.	Ensure the auditing period is specified either in the report or the audit table.
In process	Action is in process of being implemented, but does not yet fully satisfy the requirements of the Ministerial Statement.	This can be used for those actions that, once completed, can be cleared (i.e. construction activities).
Potential non-compliance	Considered to be a potential failure to meet requirements of a condition in the Statement.	
Potential non-conformance	Considered to be any potential deviation from the procedures, programs and/or management actions detailed within an Environmental Management Plan or similar document.	Not all potential non-conformances will automatically constitute a potential non-compliance.
Not required at this stage	The proponent was not required to implement the action during the audited stage of the project.	This should be consistent with the 'Phase' field of the audit table.
No longer relevant	The action was not completed during the audited period, as the action is considered no longer relevant to the project.	The proponent should request approval for clearance of the audit element in order to remove its obligation to undertake the action.
Completed	The action was satisfactorily completed during the audited period.	This term can only be used for audit elements with a finite period of application (i.e. construction activities; development of a document). Once completed the proponent should request clearance of the audit element.
Cleared	Clearance for the action has been received from DEC.	The proponent is no longer legally obligated to implement the action.
Only proponent to audit	The action is only audited internally by the proponent.	
Monitored by another agency	The action is audited by another agency.	Prior approval for auditing by another agency must be obtained from the DEC. The agency must be specified (i.e. CALM, DEC licence).
Monitored under a DEC licence	This action is now monitored under Part V of the EP Act.	

Source: Adapted from DEC (2007)



### 3. STATE OF PROPOSAL IMPLEMENTATION

The DBNGP Stage 5 Looping Expansion is being constructed in stages, the first of which was Stage 5A, which commenced in February 2007 and was completed in March 2008. Stage 5B was commenced in January 2009 and completed in November 2011.

The statistics related to implementation of the proposal as at 13 December 2012 is summarised in Table 3.1. Of the total 1270 km of the Stage 5 proposal, 1011 km have now been constructed.

Table 3.1 Progress of DBNGP Stage 5 Looping Expansion Project

Loop	Stage 5A		Stage 5B	
	Loop Lengths (km)*	Status of Loops	Loop Lengths (km)*	Status of Loops
Loop 0	0.0	No construction in Loop 0 undertaken in Stage 5A	114.9	Complete
Loop 1	74.0	Complete	32.9	Complete
Loop 2	57.8	Complete	31.9	Complete
Loop 3	60.3	Complete	34.6	Complete
Loop 4	61.9	Complete	33.6	Complete
Loop 5	63.7	Complete	34.0	Complete
Loop 6	70.5	Complete	35.8	Complete
Loop 7	60.4	Complete	44.0	Complete
Loop 8	55.3	Complete	21.8	Complete
Loop 9	52.0	Complete	23.4	Complete
Loop 10	15.1	Complete	33.3	Complete
TOTAL	571.1		440.2	

Completion of Stage 5A was considered to be evidence of substantial commencement of the project as required under Condition 3–2, as reported in the 2007 compliance report (DBP 2008).

As outlined in the 2007 compliance report (DBP 2008), the above description satisfies the requirements of Condition 4–3(8).

## 4. Audit results

This report has been prepared to address the status and compliance of the proposal with the conditions in the Statement in accordance with the annual compliance reporting requirements of Conditions 4–1 to 4–4 of the Statement. The report considers the extent of compliance with each of the 72 conditions, and the extent of conformance with the 42 actions within approved management plans required under various conditions and determined to be Key Actions.

### 4.1 Compliance with Statement No 735 conditions

The detailed results of the audit of Statement 735 are presented in Section 5.1 (Table 5.1). Condition 1-1 of Statement 735 requires implementation of the proposal as documented in Schedule 1 of the Statement. As no construction occurred during this audit period and the previous audit (Strategen 2012a) determined that there were no potential non-conformances with Schedule 1, this has not been audited during this audit period.

No potential non-compliance with Statement No. 735 was identified by the auditors.

### 4.2 Conformance with Key Actions

Condition 4–3(4) of Statement No. 735 requires the proponent to demonstrate compliance with key actions contained in any environmental management plan or program required by the Statement. As the key actions all relate to construction activities and no such activities were undertaken during the report period, this condition is considered to be Not Applicable (N/A) to this report.

### 4.3 Corrective actions

No corrective actions were required as there were no potential non-compliances.

## 5. AUDIT TABLES

### 5.1 Statement No. 735 Summary Audit Tables

Table 5.1 has been produced to meet condition 4–3(2) of Statement No. 735.

Table 5.1 Results of audit of Statement No. 735

Audit code	Subject	Action	How	Objective	Phase/Timing	Criteria	Evidence	Finding	Status
735:M1.1	Implementation	Implement the proposal as documented and described in schedule 1 of Statement 735 subject to the conditions and procedures of this statement.	Establish and implement an auditing compliance reporting system.	To avoid unforeseen or unassessed impacts	Overall	-	DBNGP Stage 5 Looping Expansion Project 2011 Annual Environmental Compliance Report (Strategen 2012a)	Refer to Strategen (2012a) with respect to implementation as described in Schedule 1 of Statement No. 735. No additional construction has occurred since the previous audit period reported in above AECR.	Satisfactory during this period
735:M2.1	Nominated proponent	Implement the proposal until such time as the Minister for the Environment nominates another person as the proponent.	Establish and implement auditing compliance reporting system.	To ensure responsibility rests with the nominated proponent	Overall	Has Minister nominated another person as proponent?		DBP remains the proponent.	Satisfactory during this period
735:M2.2	Proponent contact details	Notify the Chief Executive Officer of the DEC (CEO) of any change of the contact name and address for the serving of a notice or other correspondence within 30 days of such change.	Written notification.	To enable the DEC to maintain contact with the proponent	Overall	Has the contact name and address for the serving of a notice or other correspondence for the project changed since approval; if so, was the Chief Executive Officer of the DEC (CEO) informed within 30 days of such change.	Website indicates that contact name and address have not changed since Loop 10 compliance audit (Strategen 2008). Recent correspondence from DBP supports this.	Auditors were advised that the contact address for DBP has not changed.	Not required at this stage
735:M3.1	Authorisation limit	Substantially commence the proposal before 13 December 2011 to avoid lapse of authorisation.	Written notification.	To keep DEC informed of project status	Construction	Substantial construction commenced	DBNGP Stage 5 Looping Expansion Project, 2007 Annual Environmental Compliance Report (DBP 2008). DBNGP Stage 5 Looping Expansion Project, 2009 Annual Environmental Compliance Report (Strategen 2010). DBNGP Stage 5 Looping Expansion Project 2010 Annual Environmental Compliance Report (Strategen 2011) DBNGP Stage 5 Looping Expansion Project 2011 Annual Environmental Compliance Report (Strategen 2012a)	Previous Annual Compliance Audits indicates construction of Stage 5A and 5B are complete and this represents 79.6% of the total length of the proposal. This is considered to represent substantial commencement.	Completed
735:M3.2	Commencement	Provide the CEO with written evidence which demonstrates that the proposal has substantially commenced on or before the 13 December 2011.	Written notification.	To keep DEC informed of project status	Construction	Substantial construction commenced	DBNGP Stage 5 Looping Expansion Project 2011 Annual Environmental Compliance Report (Strategen 2012a)	Previous compliance report (Strategen 2012a) indicates this has occurred.	Completed
735:M4.1	Compliance reporting - submitting	Submit to the CEO environmental compliance reports reporting on the previous twelve-month period. (Annual Environmental Compliance Report [AECR])	Reports shall address that required by condition 4-2 and condition 4-3.	To provide evidence that the proposal is being implemented and conditions are being met	Overall	Annually unless required by the CEO to report more frequently. Annual reporting shall continue until such time as the Minister for the Environment determines on advice from the EPA that the proponent has fulfilled its responsibilities in relation to the conditions within this statement.	2011 AECR covering period 14 Dec 2010 to 13 Dec 2011 2012 AECR covering period 14 Dec 2011 to 13 Dec 2012 (this report) 2011 AECR (Strategen 2012a) dated July 2012. The report covered the period from 14 Dec 2010 to 13 Dec 2011. This report is intended to satisfy the requirements for reporting up until 13 December 2012. Letter from OEPA acknowledging receipt of 2011 AECR.	2011 AECR (Strategen 2012a) dated July 2012 was provided. The report covered the period from 14 Dec 2010 to 13 Dec 2011. This AECR is considered relevant to the auditing period covered by this audit report. This audit report is intended to satisfy the requirements for reporting up until 13 December 2011.	Satisfactory for 2011 AECR In process for the 2012 AECR
735:M4.2	Audit Program	Prepare an audit program.	Develop an audit table listing implementation conditions and detail how these will be met. Develop criteria and standards that will be used to measure compliance.	To develop a system of monitoring implementation and environmental performance of the proposal	Design	Audit Table prepared to the satisfaction of the CEO, DEC.	DBNGP Stage 5 Looping Expansion Project – 2007 Annual Environmental Compliance Audit (DBP 2008)	Audit Program was prepared and signed-off by DEC. Relevant correspondence was sighted in a previous Compliance Audit.	Completed

Audit code	Subject	Action	How	Objective	Phase/Timing	Criteria	Evidence	Finding	Status
735:M4.3	Annual environmental compliance reporting - preparation	The environmental compliance reports shall: 1. Be endorsed by signature of the proponent's Chairman or a person, approved in writing by the Chairman, delegated to sign on behalf of the proponent's Chairman. 2. State whether the proponent has complied with each condition and procedure contained in Statement 735. 3. Provide verifiable evidence of compliance with each condition and procedure contained in Statement 735. 4. State compliance with each key action contained in any environmental management plan or program required by Statement 735. 5. Provide verifiable evidence of conformance with each key action contained in any environmental management plan or program required by Statement 735. 6. Identify all non-compliances and non-conformances and describe the corrective and preventative actions taken in relation to each non-compliance or non-conformance. 7. Provide an assessment of the effectiveness of all corrective and preventative actions taken. 8. Describe the state of implementation of the proposal.	Reports presented to satisfy this condition with respect to the content.	To provide evidence that the proposal is being implemented and conditions are being met	Overall	2011 AECR covering period 14 Dec 2010 to 13 Dec 2011	DBNGP Stage 5 Looping Expansion Project 2011 Annual Environmental Compliance Report (Strategen 2012a). This report is intended to satisfy the requirements for reporting up until 13 December 2012. Letter from OEPA confirming compliance with this condition.	The 2011 AECR was reviewed and determined to be compliant with all clauses within this action. Report signed by CEO of DBP as currently no Chairman. This audit report is intended to satisfy the requirements for reporting up until 13 December 2012.	Satisfactory during this period In process for the 2012 AECR
735:M4.4	Annual environmental compliance reporting – public availability	Make the environmental compliance reports (AECRs) publicly available.	Carry out the following: 1. Provide copies of the documentation to the DEC library 2. Post the document on the proponent's website.	To ensure that the public is kept informed of the proposal and compliance with conditions	Overall Annually	As approved by the CEO.	DBNGP Stage 5 Looping Expansion Project 2011 Annual Environmental Compliance Report (Strategen 2012a). DBP website [ <a href="http://www.dbp.net.au/Libraries/Expansion_Reports/Annual_EPA_Compliance_Report_2011.pdf">http://www.dbp.net.au/Libraries/Expansion_Reports/Annual_EPA_Compliance_Report_2011.pdf</a> ], accessed 10 December 2012. Cover letter to OEPA, Proposal Implementation Monitoring Branch (25 July 2012)	The Auditors reviewed the DBP website and found that the 2011 AECR was available. Cover letter for 2011 AECR (25 July 2012) indicated two copies were provided to OEPA, with the second copy to be placed in the agency library.	Satisfactory during this period

Audit code	Subject	Action	How	Objective	Phase/Timing	Criteria	Evidence	Finding	Status
735:M5.1	Performance review – prepare and submit	Submit a Performance Review report every five years after the start of construction to the EPA, which addresses: 1. The major environmental issues associated with implementing the project; the environmental objectives for those issues; the methodologies used to achieve these; and the key indicators of environmental performance measured against those objectives. 2. The level of progress in the achievement of sound environmental performance, including industry benchmarking, and the use of best available technology where practicable. 3. Significant improvements gained in environmental management, including the use of external peer reviews. 4. Stakeholder and community consultation about environmental performance and the outcomes of that consultation, including a report of any on-going concerns being expressed. The proposed environmental objectives over the next five years, including improvements in technology and management processes.	The Performance Review report will address the required actions.	To provide evidence of environmental performance and to identify aspects that may require environmental improvements	Overall Every 5 years after the start of construction	-	DBNGP Stage 5 Looping Expansion Project – 2007 Annual Environmental Compliance Audit (DBP 2008) DBNGP Stage 5 Looping Expansion Project Five Year Performance Review (2007-2012) (Strategen 2012b)	2007 AECR noted commencement of construction in February 2007. DBNGP Stage 5 Looping Expansion Project Five Year Performance Review (2007-2012) (Strategen 2012b) prepared.	Satisfactory during the period
735:M5.2	Performance review – public availability	Make the Performance Review reports publicly available.	Carry out the following: 1. Provide copies of the documentation to the DEC library 2. Post the document on the proponent's website	To ensure that the public is kept informed of the environmental performance of the proponent	Overall Every 5 years after the start of construction	-	DBNGP Stage 5 Looping Expansion Project Five Year Performance Review (2007-2012) (Strategen 2012b) DBP website: [ <a href="http://www.dbp.net.au/Libraries/Expansion_Reports/EPA_5_YR_Performance_Review_2012.pdf">http://www.dbp.net.au/Libraries/Expansion_Reports/EPA_5_YR_Performance_Review_2012.pdf</a> ] accessed 10 December 2012. Letter to OEPA, Proposal Implementation Monitoring Branch (3 August 2012)	The Auditors reviewed the DBP website and found that the Five Year Performance Review was available. Cover letter for the Five Year Performance Review (3 August 2012) indicated two copies were provided to OEPA, with the second copy to be placed in the agency library.	Satisfactory during the period
735:M6.1	Compliance audit - submit	Submit a written compliance audit report to the CEO within 30 days of the conclusion of the construction of each loop section.	The report shall address that outlined in condition 6-2, 6-3 and 6-4.	To provide evidence that the conditions are being met within each loop section	Overall Within 30 days of construction completion in each loop section	Completion of each loop section is considered to be at the time of hand over of the Loop from DBP Construction to Operations.	DBP Stage 5B Expansion - Stage 5B Loop 0 Fortescue River Crossing Compliance Audit (Strategen 2012c) OEPA Desktop Audit Report (OEPA, June 2012) Cover letter to Manager Compliance Monitoring Section, DEC, 3 May 2012.	DBP advised that commissioning of Loop 0 – FRC occurred on 30 November 2011, with handover scheduled in April 2012 (as stated in Strategen 2012c). OEPA Desktop Audit Report (OEPA 2012) determined DBP compliant with this condition. The Loop 0 – FRC Audit report completed. Cover letter from DBP sighted. Submission date 3 May 2012.	Satisfactory during the period
735:M6.2	Compliance report - prepare	The compliance audit report shall outline identified non-compliances against the conditions of Statement 735.	-	To provide evidence that the conditions are being met within each loop section	Overall	-	DBP Stage 5B Expansion - Stage 5B Loop 0 Fortescue River Crossing Compliance Audit (Strategen 2012c)	The Loop 0 – FRC Compliance Audit includes reference to two potential non-compliances.	Satisfactory during the period
735:M6.3	Compliance report - prepare	The report shall be endorsed by signature of the proponent's Chairperson or a person approved in writing by the Chairperson, delegated to sign on behalf of the proponent's Chairperson.	-	To provide evidence that the conditions are being met within each loop section	Overall Within 30 days of construction completion in each loop section	-	DBP Stage 5B Expansion - Stage 5B Loop 0 Fortescue River Crossing Compliance Audit (Strategen 2012c)	Cover letter signed by Company Secretary with permission from CEO as DBP currently has no Chairperson.	Satisfactory during this period
735:M6.4	Compliance report - prepare	The report shall include the date, time and location of the non-compliances, the reason for the non-compliances, actions taken to remedy non-compliances and details of management measures implemented to reduce the risk of future non-compliances	Establish and implement auditing compliance reporting system.	To provide evidence that the conditions are being met within each loop section	Overall Within 30 days of construction completion in each loop section	-	DBP Stage 5B Expansion - Stage 5B Loop 0 Fortescue River Crossing Compliance Audit (Strategen 2012c)	Non compliances were reported in the Loop 0 – FRC end-of-loop report. Reporting with respect to the management measures implemented to reduce the risk of future non-compliances were reported in Section 4.3 of the 2011 AECR (Strategen 2012a)	Satisfactory during the period

Audit code	Subject	Action	How	Objective	Phase/Timing	Criteria	Evidence	Finding	Status
735:M7.1	Spring flora surveys	Submit a report to the CEO, which details the results of the spring flora, surveys undertaken in 2006.	This report shall: 1. Record the location of any Declared Rare Flora, Priority Flora and other species of conservation significance. 2. Identify any Threatened Ecological Communities and other environmentally sensitive areas. 3. Describe the habitat in which specially protected or conservation-significant flora species were found, and the extent of the contiguous area of the same habitat in the local area. 4. Specify the degree of impact of the proposed works on specially protected or conservation-significant flora species, its identified contiguous habitat or Threatened Ecological Communities and other environmentally sensitive areas.	To determine if conservation significant species occur within the proposal area and the potential impact on them	Design Prior to the commencement of vegetation clearing	Survey shall be conducted in accordance with Guidance Statement No. 51 (EPA 2004)	DBNGP Stage 5 Looping Expansion Project – 2007 Annual Environmental Compliance Audit (DBP 2008)	Condition satisfied as reported in the 2007 annual compliance report (DBP 2008).	Cleared
735:M7.2	Flora and Vegetation Management Plan - preparation	Prepare a Flora and Vegetation Management Plan, in consultation with the DEC.	The Plan shall: • Identify the proposed management strategy for the protection of Declared Rare Flora, Priority Flora, Threatened Ecological Communities, other conservation significant species and other environmentally sensitive areas identified. • Include a post-activity monitoring plan for specially protected or conservation-significant flora species.	To minimise and manage disturbance of remnant vegetation or conservation significant flora	Design Prior to the commencement of vegetation clearing	-	DBNGP Stage 5 Looping Expansion Project – 2007 Annual Environmental Compliance Audit (DBP 2008)	Condition satisfied as reported in the 2007 annual compliance report (DBP 2008).	Cleared
735:M7.3	Flora and Vegetation Management Plan - implementation	Implement the Flora and Vegetation Management Plan.	-	To ensure appropriate management actions are taken to minimise any impacts on flora and vegetation	Construction	-	N/A	No construction occurring within this audit period.	Not required at this stage
735:M7.4	Flora and Vegetation Management Plan – public availability	Make the Flora and Vegetation Management Plan publicly available.	The revised requirement for making the Flora and Vegetation Management plan publicly available is as follows: Carry out the following: 1) Provide a hard copy to the DEC library and 2) Make the Management Plan available on the DBNGP website	To ensure the public is kept informed	Overall	-	DBNGP Stage 5 Looping Expansion Project – 2007 Annual Environmental Compliance Audit (DBP 2008) DBNGP Stage 5 Expansion Looping Project [DBPL00-501-0722-01] Construction Environmental Management Plan (and Appendices) Controlled Version 2 Revision D (17 August 2011) DBP website (DBP 2011) copy at <a href="http://www.dbp.net.au/the-pipeline/expansion.aspx">http://www.dbp.net.au/the-pipeline/expansion.aspx</a>	Requirement previously considered 'Substantially in compliance'. No revision required during this audit period.	Satisfactory during this period
735:M8.1	Vegetation disturbance – clear delineation	Clearly delineate on the ground the boundaries of the pipeline easement and the area of disturbance outside the easement.	Implement the Flora and Vegetation Management Plan and Conservation Area Management Plan.	To minimise clearing of vegetation	Design Prior to ground-disturbing activities	As established in the Flora and Vegetation and Conservation Area Management Plans.	N/A	No construction occurring within this audit period.	Not required at this stage

Audit code	Subject	Action	How	Objective	Phase/Timing	Criteria	Evidence	Finding	Status
735:M8.2	Vegetation disturbance – exceedance of boundaries	Do not cause disturbance of vegetation outside the delineated pipeline easement, or the delineated area of disturbance outside the easement, unless authorised by the Minister for the Environment.		To minimise disturbance of remnant vegetation	Construction	-	N/A	No construction occurring within this audit period.	Not required at this stage
735:M8.3	Vegetation disturbance – environmentally sensitive areas	Do not cause or allow disturbance of vegetation outside the 20 metre wide easement located within environmentally sensitive areas, unless authorised by the Minister for the Environment.	Establish and implement auditing compliance reporting system.	To minimise disturbance of vegetation in environmentally sensitive areas	Construction	-	N/A	No construction occurring within this audit period.	Not required at this stage
735:M9.1	Fauna Management Plan - preparation	Prepare a Fauna Management Plan, which includes a Fauna Interaction Protocol, in consultation with the DEC.	The Plan shall include: <ul style="list-style-type: none"> <li>Procedures to minimise and manage impacts on all native fauna, including conservation-significant fauna species identified in Bancroft and Bamford, Fauna Values of Stage 5 of the Dampier to Bunbury Natural Gas Pipeline (DBNGP): A Review (2006).</li> <li>Procedures for the management of water bodies within open trenches to minimise fauna death or injury.</li> </ul>	To minimise direct impacts on native fauna	Design Prior to ground disturbing activities	-	DBNGP Stage 5 Looping Expansion Project – 2007 Annual Environmental Compliance Audit (DBP 2008)	Condition satisfied as reported in the 2007 annual compliance report (DBP 2008).	Cleared
735:M9.2	Fauna – trench clearing	The clearing of open trenches by the fauna-clearing persons is to be completed each day by no later than 4.5 hours after sunrise for Loops 0 to 7 and no later than 5 hours after sunrise for Loops 8 to 10 and at least half an hour prior to the backfilling of pipeline trenches.	-	To minimise death or injury to fauna trapped in the open trenches	Construction	-	N/A	No construction occurring within this audit period.	Not required at this stage
735:M9.3	Fauna – open trench length	Open trench lengths shall not exceed a length capable of being inspected and cleared by fauna clearing persons within the required times as set out in conditions 9-2, 10-2 and 10-4.	-	To minimise death or injury to fauna trapped in the open trenches	Construction	-	N/A	No construction occurring within this audit period.	Not required at this stage
735:M9.4	Fauna – identification of significant habitat trees	Significant habitat trees of sufficient age to form nesting hollows for hollow-nesting birds and mammals shall be marked, prior to construction, in consultation with the DEC.	-	To identify significant habitat trees that can be retained	Construction Prior to construction in each area	A habitat tree was assessed as having habitat value if it had 'a trunk diameter greater than 30 centimetres at breast height, irrespective of availability of lack of any evidence of use by fauna' (CEMP Controlled version 2)	N/A	No construction occurring within this audit period.	Not required at this stage
735:M9.5	Fauna – retention of significant habitat trees	Marked significant habitat trees as referred to in condition 9-4 shall be retained, except in the case where habitat trees occur in the direct line of the proposed pipeline.	-	To retain significant habitat trees for fauna, where possible	Construction	-	N/A	No construction occurring within this audit period.	Not required at this stage
735:M9.6	Fauna – backfill of trench	Monitor weather forecasts through the Bureau of Meteorology and in the event of a weather forecast indicating rainfall sufficient to cause flooding of trenches or drowning of fauna trapped in trenches, in consultation with DEC, backfill all lengths of open trench with a potential to be flooded or cause drowning of fauna.	-	To minimise harm to fauna that could be trapped and drown in open trenches	Construction	-	N/A	No construction occurring within this audit period.	Not required at this stage
735:M9.7	Fauna – period that trench is open	Where wet trenching is conducted, trenches shall not remain open for periods longer than 48 hours within wetlands and environmentally sensitive areas and 7 days for all other areas.	-	To minimise death or injury to fauna	Construction	-	N/A	No construction occurring within this audit period.	Not required at this stage



Audit code	Subject	Action	How	Objective	Phase/Timing	Criteria	Evidence	Finding	Status
735:M9.8	Fauna – qualifications of clearing persons	The fauna clearing persons shall operate in teams of two with at least one fauna clearing person experienced in the following, to the requirements of DEC: <ul style="list-style-type: none"> <li>Fauna identification, capture and handling (including venomous snakes).</li> <li>Identification of tracks, scats, burrows and nests of conservation significant species.</li> <li>Fauna vouchering.</li> <li>Assessing injured fauna for suitability for release, rehabilitation or euthanasia.</li> <li>Familiarity with the ecology of the species that may be encountered in order to be able to appropriately translocate fauna encountered.</li> <li>Performing euthanasia.</li> </ul>	-	To ensure fauna handling is of a high standard	Construction	-	N/A	No construction occurring within this audit period.	Not required at this stage
735:M9.9:1	Fauna – clearing person training	Ensure that basic fauna handling training is provided to fauna clearing persons who do not possess the skills and experience outlined in condition 9-8 prior to the fauna clearing person commencing employment.	-	To ensure fauna handling is of a high standard	Design	In accordance with training developed in consultation with DEC.	N/A		Not required at this stage
735:M9.9:2	Fauna clearing person-training	Ensure that basic fauna handling training is provided to fauna clearing persons who do not possess the skills and experience outlined in condition 9-8 prior to the fauna clearing person commencing employment.		To ensure fauna handling is of a high standard	Construction	In accordance with training developed in consultation with DEC.	N/A	No construction occurring within this audit period.	Not required at this stage
735:M9.10:1	Fauna – clearing person training	The fauna handling training as outlined in condition 9-9 shall be developed in consultation with the DEC.	-	To ensure best practice management	Design	-	N/A		Not required at this stage
735:M9.10:2	Fauna – clearing person training	The fauna handling training as outlined in condition 9-9 shall be developed in consultation with the DEC.	-	To ensure best practice management	Construction	-	N/A	No construction occurring within this audit period.	Not required at this stage
735:M9.11	Fauna – period that trench is open	No part of the trench shall remain open for more than 14 days except 'bell holes', unless authorised by the CEO.	Establish record log book as required by condition 9-13.	To minimise death or injury to fauna	Construction	-	N/A	No construction occurring within this audit period.	Not required at this stage
735:M9.12	Fauna – period that trench is open	In environmentally sensitive areas, no part of the trench shall remain open for more than seven days, unless authorised by the CEO.	Establish record log book as required by condition 9-13.	To minimise death or injury to fauna	Construction	-	N/A	No construction occurring within this audit period.	Not required at this stage
735:M9.13	Fauna – period that trench is open	In order to comply with condition 9-11 and condition 9-12, record each day in a log and on the ground the kilometre points of the start point and finish point of the trench opened on each day.	-	To ensure conditions are complied with	Construction	-	N/A	No construction occurring within this audit period.	Not required at this stage
735:M9.14	Fauna Management Plan – review and revise	Review and revise, as required, the Fauna Management Plan required by condition 9-1.	Utilise compliance, performance and auditing reports.	To ensure best practice management	Construction	-	DBNGP Stage 5 Expansion Looping Project DBPL00-501-0722-01 Construction Environmental Management Plan (CEMP) Controlled Version 2 Revision D (17 August 2011) Revision Record	No revisions during this audit period.	Not required at this stage
735:M9.15	Fauna Management Plan - implementation	Implement the Fauna Management Plan and subsequent revisions.	Incorporate in construction planning	To ensure appropriate management actions are taken to minimise any impacts on fauna	Construction	-	N/A	No construction occurring within this audit period.	Not required at this stage

Audit code	Subject	Action	How	Objective	Phase/Timing	Criteria	Evidence	Finding	Status
735:M9.16	Fauna Management Plan – public availability	Make the Fauna Management Plan and subsequent revisions publicly available.	The revised requirement for making the Fauna Management plan publicly available is as follows: Carry out the following: 1) Provide a hard copy to the DEC library and 2) Make the Management Plan available on the DBNGP website.	To ensure the public is kept informed	Overall	-	DBNGP Stage 5 Expansion Looping Project [DBPL00-501-0722-01] Construction Environmental Management Plan (and Appendices) Controlled Version 2 Revision D (17 August 2011)	No revisions during this audit period.	Completed in regards to original Plan Revision not required during this audit period
735:M9.17	Fauna management – performance monitoring reports	Produce weekly performance monitoring reports on fauna management for each loop.	The Reports shall include, but not necessarily be limited to, details of all fauna inspections, the number of fauna cleared from trenches, fauna interactions, fauna mortalities and all actions taken. These reports are to be provided to the CEO each week.	To provide evidence of the effectiveness of fauna management measures	Construction	-	N/A	No construction occurring within this audit period.	Not required at this stage
735:M9.18:1	Fauna management – performance monitoring reports	Produce monthly performance monitoring reports on fauna management for each Loop.	The Reports shall include, but not necessarily be limited to, details of all fauna inspections, the number of fauna cleared from trenches, fauna interactions, fauna mortalities and all actions taken.	To provide evidence of environmental performance in relation to fauna management	Construction	-	N/A	No construction occurring within this audit period.	Not required at this stage
735:M9.18:2	Fauna management – performance monitoring reports	Make the monthly performance monitoring reports publicly available on completion of each loop.	The revised requirement for making monthly performance monitoring reports publicly available is as follows, reports to be provided to: 1) The DEC (Compliance Monitoring Section) 2) The DEC library 3) Made available on the website of the DBNGP	To ensure the public is kept informed	Overall	-	N/A	No construction occurring within this audit period.	Not required at this stage
735:M10.1	Timing of construction works – Loops 0 to 2	Avoid open trench work on Loops 0 to 2 from November to March inclusive unless otherwise allowed for in condition 10-2.	Establish and implement auditing compliance reporting system.	To avoid working in the wet season	Construction	-	N/A	No construction occurring within this audit period.	Not required at this stage
735:M10.2	Timing of construction works – Loops 0 to 2	In the event that open trench work on Loops 0 to 2 is conducted during November to March the following shall be undertaken: <ul style="list-style-type: none"> <li>Provide a report to the DEC outlining the reasons why open trench work was necessary during the period November to March inclusive.</li> <li>Complete fauna clearing as described in condition 9-2 by 3 hours after sunrise or when daily temperatures are forecast by the Bureau of Meteorology to exceed 35°C fauna clearing shall be completed by 2.5 hours after sunrise.</li> </ul>	Establish and implement auditing compliance reporting system.	To avoid working in the wet season	Construction	-	N/A	No construction occurring within this audit period.	Not required at this stage
735:M10.3	Timing of construction works – Loops 8 to 10	Avoid open trench work on Loops 8 to 10 from June to December (inclusive) unless otherwise allowed for in condition 10-4.	Establish and implement auditing compliance reporting system.	To avoid working in the wet season	Construction	-	N/A	No construction occurring within this audit period.	Not required at this stage
735:M10.4	Timing of construction works – Loops 8 to 10	Where open trench work is undertaken during June to December inclusive the following shall be undertaken: <ul style="list-style-type: none"> <li>Provide a report to the DEC outlining the reasons why open trench work was necessary during the period June to December inclusive.</li> <li>Implement the Wetlands Crossing Management Plan (condition 12-1) and the Dieback and Weed Management Plan (condition 13-2).</li> </ul>	Establish and implement auditing compliance reporting system.	To avoid working in the wet season	Construction	-	N/A	No construction occurring within this audit period.	Not required at this stage

Audit code	Subject	Action	How	Objective	Phase/Timing	Criteria	Evidence	Finding	Status
735:M11.1:1	Watercourses – vegetation delineation	Delineate the riparian vegetation along watercourses which will be traversed.	-	To minimise and manage disturbance of riparian vegetation	Design	-	N/A		Not required at this stage
735:M11.1:2	Watercourses-vegetation delineation.	Delineate the riparian vegetation along watercourses which will be traversed	-	To minimise and manage disturbance of riparian vegetation	Construction	-	N/A	No construction occurring within this audit period.	Not required at this stage
735:M11.2	Watercourse Crossing Management Plan -	Prepare in consultation with the DEC, a Watercourse Crossing Management Plan to minimise disturbance of riparian vegetation.	The Plan shall address: <ul style="list-style-type: none"> <li>Objectives and key performance criteria.</li> <li>Management actions (e.g. general requirements, surveying, trenching and excavation, drilling).</li> <li>Monitoring and recording.</li> <li>Contingency actions.</li> </ul>	To minimise and manage disturbance of watercourses	Design Prior to ground-disturbing activities	-	DBNGP Stage 5 Looping Expansion Project – 2007 Annual Environmental Compliance Audit (DBP 2008)	Condition satisfied as reported in the 2007 annual compliance report (DBP 2008).	Cleared
735:M11.3	Watercourse Crossing Management Plan - implementation	Implement the Watercourse Crossing Management Plan.	Incorporate into construction planning	To ensure appropriate management actions are taken to minimise any impacts on watercourses	Construction	-	N/A	No construction occurring within this audit period.	Not required at this stage
735:M11.4	Watercourse Crossing Management Plan – public availability	Make the Watercourse Crossing Management Plan publicly available	The revised requirement for making the Watercourse Crossing Management Plan publicly available is as follows: Carry out the following: 1) Provide a hard copy to the DEC library and 2) Make the Management Plan available on the DBNGP website.	To ensure the public is kept informed	Overall	-	DBP website (DBP 2011) copy at <a href="http://www.dbp.net.au/Libraries/Expansion_Reports/DBP08048_DBN_GP_Stage5B_CEMP_DMP_CV2_Rev_1_Main_Report.pdf">http://www.dbp.net.au/Libraries/Expansion_Reports/DBP08048_DBN_GP_Stage5B_CEMP_DMP_CV2_Rev_1_Main_Report.pdf</a> [accessed 10 December 2012]	Requirement previously considered 'Substantially in compliance'.	Completed
735:M12.1	Wetland crossing Management Plan - prepare	Prepare, in consultation with the DEC, a Wetland Crossing Management Plan.	As described in condition 12-2.	To minimise and manage disturbance to wetlands and wetland buffer areas	Design	Criteria established by condition 12-1	DBNGP Stage 5 Looping Expansion Project – 2007 Annual Environmental Compliance Audit (DBP 2008)	Condition satisfied as reported in the 2007 annual compliance report (DBP 2008).	Cleared
735:M12.2	Wetland crossing Management Plan - prepare	The Wetland Crossing Management Plan shall set out procedures to protect any wetland crossed by the trench in the event that trenching is proposed where there is standing water in the wetland.	Establish and implement auditing compliance reporting system.	To minimise and manage disturbance to wetlands and wetland buffer areas	Design	Criteria established by condition 12-1	DBNGP Stage 5 Looping Expansion Project – 2007 Annual Environmental Compliance Audit (DBP 2008)	Condition satisfied as reported in the 2007 annual compliance report (DBP 2008).	Cleared
735:M12.3	Wetland Crossing Management Plan - implementation	Implement the Wetland Crossing Management Plan.	-	To ensure appropriate management actions are taken to minimise any impacts on wetlands	Construction	-	N/A	No construction occurring within this audit period.	Not required at this stage
735:M12.4	Wetland Crossing Management Plan – public availability	Make the Wetland Crossing Management Plan publicly available.	The revised requirement for making the Wetland Crossing Management Plan publicly available is as follows: Carry out the following: 1) Provide a hard copy to the DEC library and 2) Make the Management Plan available on the DBNGP website.	To ensure the public is kept informed	Overall	-	DBP website (DBP 2011) copy at <a href="http://www.dbp.net.au/Libraries/Expansion_Reports/DBP08048_DBN_GP_Stage5B_CEMP_DMP_CV2_Rev_1_Main_Report.pdf">http://www.dbp.net.au/Libraries/Expansion_Reports/DBP08048_DBN_GP_Stage5B_CEMP_DMP_CV2_Rev_1_Main_Report.pdf</a> [accessed 10 December 2012]	The CEMP was available on the DBP website during the audit period.	Completed
735:M13.1	Dieback – delineate risk areas	Delineate surveyed occurrences of high risk, medium risk and medium to low risk dieback areas.	Establish and implement auditing compliance reporting system.	To minimise and manage the risk of introducing or spreading dieback	Design	-	N/A	No planning during this audit period	Not required at this stage
735:M13.2	Dieback and Weed Management Plan - prepare	Prepare a Dieback and Weed Management Plan.	The plan shall address: Objectives and key performance criteria. Management actions (e.g. general requirements, hygiene management procedures). Monitoring and recording. Contingency actions.	To minimise the risk of introducing or spreading weeds and/or diseases	Design Prior to ground disturbing activities	-	DBNGP Stage 5 Looping Expansion Project – 2007 Annual Environmental Compliance Audit (DBP 2008)	Condition satisfied as reported in the 2007 annual compliance report (DBP 2008).	Cleared

Audit code	Subject	Action	How	Objective	Phase/Timing	Criteria	Evidence	Finding	Status
735:M13.3	Dieback and Weed Management Plan – review and revise	In consultation with the DEC, review and revise, as required, the Dieback and Weed Management Plan.	-	To ensure best management practice	Construction	-	DBNGP Stage 5 Expansion Looping Project [DBPL00-501-0722-01] Construction Environmental Management Plan (and Appendices) Controlled Version 2 Revision D (17 August 2011)	No revision required during this audit period	Satisfactory during the period
735:M13.4	Dieback and Weed Management Plan - implementation	Implement the Weed and Dieback Management Plan and any subsequent revisions of the Weed and Dieback Management Plan.	Incorporate in construction planning	To ensure appropriate management actions are taken to minimise impacts from weed and dieback introduction and/or spread	Construction	-	N/A	No construction occurring within this audit period.	Not required at this stage
735:M13.5	Dieback and Weed Management Plan – public availability	Make the Weed and Dieback Management Plan and any subsequent revisions required by condition 13-3 publicly available.	The revised requirement for making the Weed and Dieback Management Plan publicly available is as follows: Carry out the following: 1) Provide a hard copy to the DEC library and 2) Make the Management Plan available on the DBNGP website.	To ensure the public is kept informed	Overall	-	DBNGP Stage 5 Looping Expansion Project – 2007 Annual Environmental Compliance Audit (DBP 2008) DBNGP Stage 5 Expansion Looping Project [DBPL00-501-0722-01] Construction Environmental Management Plan (and Appendices) Controlled Version 2 Revision D (17 August 2011) DBP website (DBP 2011) copy at <a href="http://www.dbp.net.au/the-pipeline/expansion.aspx">http://www.dbp.net.au/the-pipeline/expansion.aspx</a>	Requirement previously considered 'Substantially in compliance'. No revision required during this audit period.	Satisfactory during this period
735:M14.1	Rehabilitation Management Plan - prepare	Prepare a Rehabilitation Management Plan.	The Plan shall address: 1. Weed management protocols. 2. Dieback management protocols. 3. Soil management protocols. 4. Rehabilitation completion criteria. 5. The need for propagule augmentation to achieve completion criteria	To re-establish vegetation and associated habitat areas, controlling sediment and erosion.	Design Prior to ground-disturbing activities	Criteria established by condition 14-1	DBNGP Stage 5 Looping Expansion Project – 2007 Annual Environmental Compliance Audit (DBP 2008)	Condition satisfied as reported in the 2007 annual compliance report (DBP 2008).	Cleared
735:M14.2	Rehabilitation – management period	Manage rehabilitation of the pipeline route until the rehabilitation completion criteria, referred to in condition 14-1, have been achieved (Note: obligations under DoIR legislation mean the vehicular access track must be maintained and thus certain completion criteria may not be achievable within the access track).		To ensure effective rehabilitation	Overall	Criteria established by condition 14-1	DBNGP Stage 5 Looping Expansion Project – 2011 Annual Environmental Compliance Audit (Strategen 2012a) DBNGP Flora and Vegetation Rehabilitation Monitoring: Stage 5a Loops 1–6 (Mattiske, March 2012) DBNGP Flora and Vegetation Rehabilitation Monitoring: Stage 5b Loops 0–6 (Mattiske, February 2012) DBNGP Flora and Vegetation Rehabilitation Monitoring: Stage 5b Loops 7–10 (Mattiske, June 2012)	Stage 5A monitoring occurring. Mattiske (2012a) indicated that three out of four completion criteria were met overall in the 2011 monitoring. Native species density criterion was not met for Loop 1; Loop 2 and Loop 6 on average. Stage 5B monitoring occurring. Mattiske (2012b) indicated all seven loops (0–6) met the 24 month completion criteria for native species richness and six of the seven loops met the criteria for native foliage cover. Four loops did not meet the criteria for weed cover; however, the foliage cover for weeds in on these loops was similar to control sites. Loops 7–10 varied in their rehabilitation progress (Mattiske 2012c). DBP advised that discussions have commenced with DEC in regards to future remediation options that will enable completion criteria to be met.	In process

Audit code	Subject	Action	How	Objective	Phase/Timing	Criteria	Evidence	Finding	Status
735:M14.3:1	Rehabilitation Management Plan – review and revision	In consultation with the DEC, review and revise, as required, the Rehabilitation Management Plan.	-	To ensure best practice	Construction	-	DBNGP Stage 5 Expansion Looping Project [DBPL00-501-0722-01] Construction Environmental Management Plan (and Appendices) Controlled Version 2 Revision D (17 August 2011) Revision Record	No revision required during this audit period.	Not required at this stage
735:M14.3:2	Rehabilitation Management Plan – review and revision	In consultation with the DEC, review and revise, as required, the Rehabilitation Management Plan.	-	To ensure best practice	Operation	-	DBNGP Stage 5 Expansion Looping Project [DBPL00-501-0722-01] Construction Environmental Management Plan (and Appendices) Controlled Version 2 Revision D (17 August 2011) Revision Record	No revision required during this audit period.	Not required at this stage
735:M14.4:1	Rehabilitation Management Plan - implementation	Implement the Rehabilitation Management Plan and subsequent revisions until such time as the completion criteria are met.	-	To ensure rehabilitation planning and activities are implemented	Construction	-	N/A	No construction occurring during this audit period	Not required at this stage.
735:M14.4:2	Rehabilitation Management Plan - implementation	Implement the Rehabilitation Management Plan and subsequent revisions until such time as the completion criteria are met.	-	To ensure rehabilitation planning and activities are implemented	Operation	-	DBNGP Stage 5 Looping Expansion Project – 2011 Annual Environmental Compliance Audit (Strategen 2012a) DBNGP Flora and Vegetation Rehabilitation Monitoring: Stage 5A Loops 1 – 6 (Mattiske, March 2012)	Refer to Item 735:M14.2.	In process
735:M14.5	Rehabilitation Management Plan – public availability	Make the Rehabilitation Management Plan and subsequent revisions publicly available.	The revised requirement for making the Rehabilitation Management Plan publicly available is as follows: Carry out the following: 1) Provide a hard copy to the DEC library and 2) Make the Management Plan available on the DBNGP website.	To ensure the public is kept informed	Overall	-	DBNGP Stage 5 Expansion, Loop 10 Compliance Audit [Strategen, January 2008] DBNGP Stage 5 Expansion Looping Project DBPL00-501-0722—01 Construction Environmental Management Plan Revision Record DBNGP Stage 5 Expansion Looping Project [DBPL00-501-0722-01] Construction Environmental Management Plan (and Appendices) Controlled Version 2 Revision D (17 August 2011) DBP website (DBP 2011) copy at <a href="http://www.dbp.net.au/the-pipeline/expansion.aspx">http://www.dbp.net.au/the-pipeline/expansion.aspx</a>	Requirement previously considered 'Substantially in compliance'. No revision required during this audit period.	Completed in regards to original Plan Satisfactory during the period for latest revision of Plan
735:M15.1	Acid Sulphate Soils - investigations	Prior to the commencement of soil disturbance or dewatering in an area, undertake field investigations within that area to clearly delineate areas of high, high to medium, medium to low risk acid sulphate soils.	-	To identify those areas where acid sulphate soil management is required	Design Prior to the commencement of soil disturbance or dewatering in an area	DoE Acid Sulfate Soils Guideline Series (DoE 2006)	N/A	No design or construction occurring within this audit period	Not required at this stage
735:M15.2	Acid Sulphate Soils - Management	Ensure that within high, high to medium and medium to low acid sulphate soil risk areas, trenches will be excavated in lengths that permit trenches to be opened and closed within a 48 hour period.	Establish and implement auditing compliance reporting system.	To minimise adverse affects caused by acid sulphate soil disturbance	Construction	-	N/A	No construction occurring within this audit period.	Not required at this stage
735:M15.3	Acid Sulphate Soils and Dewatering Management Plan - prepare	Prepare an Acid Sulphate Soils and Dewatering Management Plan, in consultation with the DEC to the requirements of the Minister for the Environment on advice of the EPA.	Plan to demonstrate that all practical measures have been included to manage the potential impacts of acid sulphate soils and dewatering activities.	To ensure that there are no adverse impacts to sensitive receptors as a result of acid sulphate soil disturbance and dewatering	Design Prior to trenching and excavation activities	Criteria established by M15-3	DBNGP Stage 5 Looping Expansion Project – 2007 Annual Environmental Compliance Audit (DBP 2008)	Condition satisfied as reported in the 2007 annual compliance report (DBP 2008).	Cleared

Audit code	Subject	Action	How	Objective	Phase/Timing	Criteria	Evidence	Finding	Status
735:M15.4	Acid Sulphate Soils and Dewatering Management Plan – review and revise	Review and revise, as required, the Acid Sulphate Soils and Dewatering Management Plan.	-	To ensure best practice management	Construction	-	DBNGP Stage 5 Expansion Looping Project [DBPL00-501-0722-01] Construction Environmental Management Plan (and Appendices) Controlled Version 2 Revision D (17 August 2011) Revision Record	No revision required during this audit period.	Not required at this stage.
735:M15.5	Acid Sulphate Soils and Dewatering Management Plan - implementation	Implement and comply with the Acid Sulphate Soils and Dewatering Management Plan and subsequent revisions.	Incorporate in construction planning.	To ensure appropriate management actions are taken to minimise impacts from acid sulphate soil disturbance and dewatering	Construction	-	N/A	No construction occurring within this audit period.	Not required at this stage
735:M15.6	Acid Sulphate Soils and Dewatering Management Plan – public availability	Make the Acid Sulphate Soils and Dewatering Management Plan and subsequent revisions publicly available.	The revised requirement for making the Acid Sulphate Soils and Dewatering Management Plan publicly available is as follows: Carry out the following: 1) Provide a hard copy to the DEC library and 2) Make the Management Plan available on the DBNGP website.	To ensure the public is kept informed	Overall	-	DBNGP Stage 5 Expansion, Loop 10 Compliance Audit [Strategen, January 2008] DBNGP Stage 5 Expansion Looping Project [DBPL00-501-0722-01] Construction Environmental Management Plan (and Appendices) Controlled Version 2 Revision D (17 August 2011) DBP website (DBP 2011) copy at <a href="http://www.dbp.net.au/the-pipeline/expansion.aspx">http://www.dbp.net.au/the-pipeline/expansion.aspx</a>	Requirement previously considered 'Substantially in compliance' with regard to the original plan and the revised plan dated 22/10/2008. No revisions required during this audit period.	Completed in regards to original plan and revised plan dated 22/10/2008 Satisfactory during the period for latest revision
735:M16.1	Preliminary Decommissioning Plan - prepare	Prepare a Preliminary Decommissioning Plan for approval by the CEO.	The Plan shall describe the framework and strategies to ensure that the site is left in an environmentally acceptable condition, and provides: <ul style="list-style-type: none"> <li>The rationale for the siting and design of plant and infrastructure as relevant to environmental protection.</li> <li>A conceptual description of the final landform at closure.</li> <li>A plan for a care and maintenance phase.</li> <li>Initial plans for the management of noxious materials.</li> </ul>	To appropriately decommission the DBNGP in accordance with regulatory requirements and accepted best practice environmental management	Design Prior to undertaking ground-disturbing activities	Criteria established by M16-1	DBNGP Stage 5 Looping Expansion Project – 2007 Annual Environmental Compliance Audit (DBP 2008)	Condition satisfied as reported in the 2007 annual compliance report (DBP 2008).	Cleared
735:M16.2	Final Decommissioning Plan – prepare and submit	At least 12 months prior to the anticipated date of closure, or at a time approved by the EPA, submit a Final Decommissioning Plan designed to ensure that the site is left in an environmentally acceptable condition prepared on advice of the EPA, for approval of the CEO.	The Final Decommissioning Plan shall set out procedures and measures for: <ul style="list-style-type: none"> <li>Removal or, if appropriate, retention of plant and infrastructure agreed in consultation with relevant stakeholders.</li> <li>Rehabilitation of all disturbed areas to a standard suitable for the agreed new land use(s).</li> <li>Identification of contaminated area, including provision of evidence of notification and proposed management measures to relevant statutory authorities.</li> </ul>	To ensure that the site is left in an environmentally acceptable condition	Overall At least 12 months prior to anticipated closure	Criteria established by condition 16-2	Not yet relevant (not within 12 months of anticipated closure) Email correspondence from Tawake Rakai (22 January 2013)	Not yet relevant (not within 12 months of anticipated closure) Email correspondence verifying anticipated decommissioning date not within 12 months	Not required at this stage
735:M16.3	Final Decommissioning Plan - implementation	Implement the Final Decommissioning Plan until such time as the Minister for the Environment determines, on advice of the CEO, that decommissioning responsibilities have been fulfilled.	-	To ensure that the Final Decommissioning Plan is implemented	Closure	-	Not yet relevant (closure phase) Email correspondence from Tawake Rakai (22 January 2013)	Not yet relevant (closure phase) Email correspondence verifying anticipated decommissioning date not within 12 months	Not required at this stage

Audit code	Subject	Action	How	Objective	Phase/Timing	Criteria	Evidence	Finding	Status
735:M16.4	Final Decommissioning Plan – public availability	Make the Final Decommissioning Plan publicly available.	The revised requirement for making the Final Decommissioning Plan publicly available is as follows: Carry out the following: 1) Provide a hard copy to the DEC library and 2) Make the Management Plan available on the DBNGP website.	To ensure the public is kept informed	Overall	-	Not yet relevant (closure phase) Email correspondence from Tawake Rakai (22 January 2013)	Not yet relevant. Email correspondence verifying anticipated decommissioning date not within 12 months	Not required at this stage

## 6. Statement regarding compliance

An audit of the DBNGP project was undertaken to determine compliance with the conditions of Statement 735 during the period 14 December 2011 to 13 December 2012. No potential non-compliances with Statement No. 735 was identified by the auditors.

As no construction was undertaken during the reporting period, no Key Actions were considered relevant, and consequently there are no potential non-conformances.



Signature of Chief Executive Officer of DBNGP (WA) Nominees Pty Ltd:

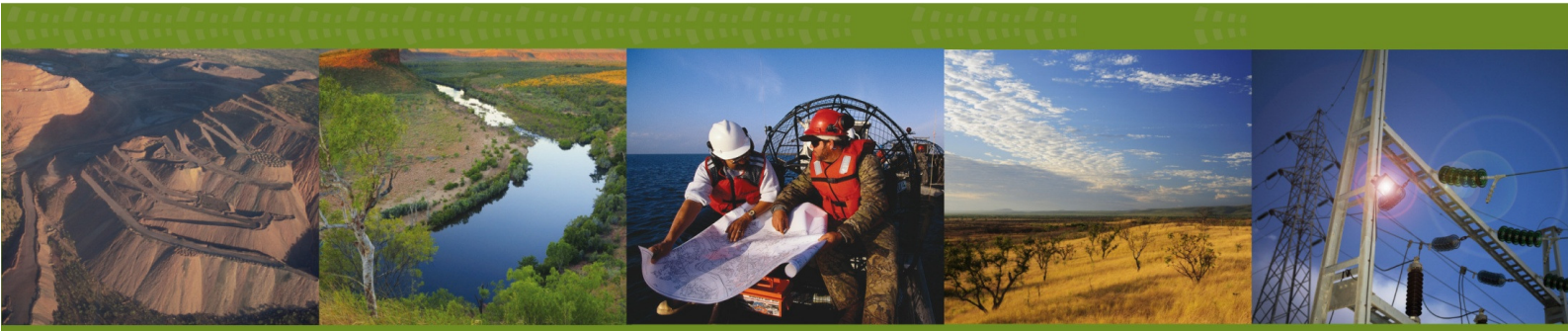
Date:

14/3/13



## 7. References

- DBP 2008, *DBNGP Stage 5 Looping Expansion Project - DBPL00-506-0504-01 2007 Annual Environmental Compliance Report (Ministerial Statement No. 735)*, report prepared for DBNGP (WA) Nominees Pty Ltd by Strategen, Leederville, Western Australia.
- DBP 2011, *DBNGP Stage 5 Expansion Looping Project DBPL00-501-0722-01 Construction Environmental Management Plan - Controlled Version 2*, report prepared for DBNGP (WA) Nominees Pty Ltd by Strategen, Leederville, Western Australia.
- Department of Environment and Conservation (DEC) 2007, *Compliance Monitoring and Reporting Guidelines for Proponents - Performance and Compliance Reporting*, Draft prepared by Environmental Regulation Division, Department of Environment and Conservation, Perth, Western Australia.
- Mattiske Consulting Pty Ltd 2012a, *Dampier to Bunbury Natural Gas Pipeline (DBNGP) Flora and Vegetation Rehabilitation Monitoring: Stage 5a Loops 1–6*, Prepared for DBP (WA) Nominees by Mattiske Consulting Pty Ltd.
- Mattiske Consulting Pty Ltd 2012b, *Dampier to Bunbury Natural Gas Pipeline (DBNGP) Flora and Vegetation Rehabilitation Monitoring: Stage 5a Loops 0–6*, Prepared for DBP (WA) Nominees by Mattiske Consulting Pty Ltd.
- Mattiske Consulting Pty Ltd 2012c, *Dampier to Bunbury Natural Gas Pipeline (DBNGP) Flora and Vegetation Rehabilitation Monitoring: Stage 5b Loops 7–10*, Prepared for DBP (WA) Nominees by Mattiske Consulting Pty Ltd.
- Strategen 2006, *Dampier-Bunbury Natural Gas Pipeline Stage 5 Expansion - Environmental Impact Assessment*, report prepared for Alinta Asset Management by Strategen, Leederville, Western Australia.
- Strategen 2008, *Dampier-Bunbury Natural Gas Pipeline Stage 5 Expansion – Loop 10 Compliance Audit*, report prepared for Westnet Energy by Strategen, Leederville, Western Australia.
- Strategen 2010, *DBNGP Stage 5 Looping Expansion Project - 2009 Annual Environmental Compliance Report (Statement No. 735)*, report prepared for DBNGP (WA) Nominees Pty Ltd by Strategen, Leederville, Western Australia.
- Strategen 2011, *DBNGP Stage 5 Looping Expansion Project - 2010 Annual Environmental Compliance Report (Statement No. 735)*, report prepared for DBNGP (WA) Nominees Pty Ltd by Strategen, Leederville, Western Australia.
- Strategen 2012a, *DBNGP Stage 5 Looping Expansion Project- 2011 Annual Environmental Compliance Report (Statement No. 735)*, report prepared for DBNGP (WA) Nominees Pty Ltd by Strategen, Leederville, Western Australia.
- Strategen 2012b, *Dampier Bunbury Natural Gas Pipeline Stage 5 Looping Expansion Project Five-year Performance Review (2007-2012)*, report prepared for DBNGP (WA) Nominees Pty Ltd by Strategen, Leederville, Western Australia.
- Strategen 2012c, *Dampier Bunbury Natural Gas Pipeline Stage 5 Expansion – Stage 5B Loop 0 Fortescue River Crossing Compliance Audit*, report prepared for DBNGP (WA) Nominees Pty Ltd by Strategen, Leederville, Western Australia.



# DBNGP Stage 5 Looping Expansion Project

2013 Annual Environmental Compliance  
Report (Statement No. 735)

Prepared for  
DBNGP (WA) Nominees Pty Ltd  
by Strategen

March 2014



**STRATEGEN**  
environmental consultants



# **DBNGP Stage 5 Looping Expansion Project**

2013 Annual Environmental  
Compliance Report  
(Statement No. 735)

Strategen is a trading name of  
Strategen Environmental Consultants Pty Ltd  
Level 2, 322 Hay Street Subiaco WA  
ACN: 056 190 419

March 2014

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### **Limitations**

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#### Purpose and use of the report

The purpose of the report is to address the status and compliance of the Dampier to Bunbury Natural Gas Pipeline (DBNGP) Stage 5 Expansion with the Conditions in Statement 735 undertaken by Strategen for DBNGP (WA) Nominees Pty Limited, trading as Dampier Bunbury Pipeline (DBP) to meet the requirements of Conditions 4-1 to 4-4 of the Statement, which is to submit annual compliance reports. The report may not be reproduced or disclosed to any person other than the Client for any other purpose without the express written authority of Strategen.

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Within the limitations imposed by the scope of services, the preparation of this report has been undertaken and performed in a professional manner, in accordance with generally accepted consulting practices. No other warranty, expressed or implied, is made.

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#### **Client: DBNGP (WA) Nominees Pty Ltd**

Report Version	Revision No.	Purpose	Strategen author/reviewer	Submitted to Client	
				Form	Date
Draft Report	Rev A	Client review	J Shepherd/ K Britza/ J Mitchell	electronic	31/01/2014
Final Draft Report	Rev B	Client review	K Britza/ J Mitchell	electronic	26/02/2014
Final Report	Rev 0	OEPA submission	J Mitchell	electronic	12/03/2014





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# 1. Introduction

This report addresses the status and compliance of the Dampier to Bunbury Natural Gas Pipeline (DBNGP) Stage 5 Expansion with the Conditions in Statement 735. This report has been prepared for the purpose of meeting the requirements of Conditions 4–1 to 4–4 of the Statement, which is to submit annual compliance reports.

## 1.1 Project background

The DBNGP Stage 5 Looping Expansion project involves construction of eleven pipeline loops adjacent (and connected) to the existing DBNGP. Completion of the expansion will result ultimately in completion of duplication of the pipeline from Dampier to Wagerup. The key characteristics of the proposal are presented in Table 1. The Stage 5 Looping Expansion project, which continues from Stage 4 (completed in 2006), involves a total length of approximately 1270 km of pipeline.

The proposal for the Stage 5 Looping Expansion was approved for implementation under Part IV of the *Environmental Protection Act 1986* (EP Act) with issue of Statement No. 735 (the Statement) on 13 December 2006. A change to the proposal under s 45C of the EP Act to allow for the construction within additional easements granted for the purposes of the DBNGP was approved on 5 August 2011. DBNGP (WA) Nominees Pty Limited, trading as Dampier Bunbury Pipeline (DBP), is the Proponent of the DBNGP Stage 5 Expansion project.

The Statement requires submission of an annual compliance report to address the status and compliance of the DBNGP Stage 5 Looping Expansion project with Statement conditions and key actions in accordance with the annual compliance reporting requirements of Conditions 4–1 to 4–4 of the Statement.

Implementation of the Stage 5 project commenced in February 2007, and is being undertaken in three stages. The first stage (Stage 5A) was completed in March 2008. Stage 5B commenced in January 2009 and was effectively completed in early 2010, with the exception of the crossing of the Fortescue River. The Fortescue River Crossing section was undertaken over the period August 2011 to December 2011 inclusive. WestNet Energy (previously Alinta Asset Management) was contracted by DBP to provide project management for Stages 5A and 5B of the DBNGP Looping Expansion Project. DBP undertook project management of the Fortescue River crossing.

## 1.2 The proposal

Table 1 presents the key characteristics of the proposal as presented in the environmental impact assessment report (Strategen 2006).

DBNGP (WA) Nominees Pty Limited trading as Dampier Bunbury Pipeline (DBP) remains the Proponent of the DBNGP Stage 5 Looping Expansion project and there has been no change in responsibility for proponentcy.

Table 1 Key characteristics of the Stage 5 Looping Expansion

Aspect	Proposal			
Location	There will be eleven loops. The first loop starts at about 2 km south of Dampier. The last loop is south of compressor station 10, which starts at about 17 km southeast of Rockingham, and ends at Wagerup West (Main Line Valve 144).			
Proposed action	Construct eleven pipeline looping lengths of 660 mm in diameter, buried adjacent to the existing DBNGP. These pipeline lengths will be looped to the existing DBNGP to increase flow of natural gas.			
Total length of looping	Approximately 1270 km			
Characteristics of each loop	No.	Approx. length	Biogeographical region	Shires
	0	137.2 km	Pilbara	Shire of Roebourne
	1	123.3 km	Pilbara	Shire of Ashburton
	2	104.9 km	Carnarvon, Gascoyne	Shire of Ashburton
	3	113.0 km	Carnarvon, Gascoyne	Shire of Carnarvon
	4	112.9 km	Carnarvon	Shire of Carnarvon, Shire of Upper Gascoyne
	5	119.0 km	Carnarvon, Yalgoo	Shire of Shark Bay
	6	131.0 km	Yalgoo, Geraldton Sandplains	Shire of Northampton, Shire of Chapman Valley, Shire of Mullewa
	7	142.4 km	Geraldton Sandplains	Shire of Mullewa, Shire of Irwin, Shire of Carnamah
	8	96.8 km	Geraldton Sandplains, Swan Coastal Plain	Shire of Coorow, Shire of Dandaragan, Shire of Gingin
	9	127.7 km	Swan Coastal Plain	Shire of Gingin, Shire of Chittering, City of Swan, City of Belmont, Shire of Kalamunda, City of Gosnells, City of Armadale, City of Cockburn, Town of Kwinana
10	61.5 km	Swan Coastal Plain	Shire of Serpentine–Jarrahdale, Shire of Murray, Shire of Waroona	
Proposed tenure	The completed pipeline will be wholly within the existing DBNGP easement, which is gazetted under the Dampier to Bunbury Pipeline Act 1997 and the easement identified as Easement A as shown on the deposited plan numbered DP67493.			
DBNGP easement width	The existing DBNGP corridor is 30 m wide. The area to be cleared and graded in the northern loops (Dampier to Muchea) will be approximately 30 m and south of Muchea, the area cleared will be 20 to 30 m. In environmentally sensitive areas, working widths will be 20 m. Additional easements may vary in width and all clearing will be subject to the conditions of the Ministerial Statement.			
Activities outside the DBNGP easement	Turnarounds, Campsites, Turkey nests*, Laydown areas, Water supply sources, Access roads, Works associated with watercourse and dune crossings			
Temporary area of disturbance within DBNGP easement	Approximately 3175 ha, all to be rehabilitated in consultation with landowners.			
Estimated area of vegetation clearing within DBNGP easement	Approximately 1264 ha, all to be rehabilitated in consultation with landowners.			
Temporary area of disturbance outside the DBNGP easement	Approximately 139 ha, all to be rehabilitated in consultation with landowners.			
Construction duration	The Stage 5 Expansion will be constructed in stages, with Stage 5A commencing in February 2007. The subsequent stages will be constructed to match the increasing demand in fuel gas, and full looping is expected to be substantially completed within five years of approval.			
Construction workforce	Up to 900 people			

\* Turkey nests are artificially created water storages constructed by hollowing out an area of land and using the fill to build up its sides.

### 1.3 Environmental approval to implement the project

DBNGP (WA) Nominees Pty Ltd (DBP) was granted environmental approval for the DBNGP Stage 5 Looping Expansion proposal under Part IV of the *Environmental Protection Act 1986* (EP Act). The Minister for Environment approved the proposal on 13 December 2006 with the release of Statement No. 735, which includes environmental conditions under which the proposal is to be implemented. Of the 72 environmental conditions, the majority of conditions relate to the preparation and implementation of management plans addressing areas of potential environmental risk identified during the assessment.

The required management plans were prepared and consolidated as management protocols into a Construction Environmental Management Plan (CEMP) (DBP 2011) that addressed a number of environmental factors additional to those required under the Statement, in order to meet the requirements of all environmental regulators.

## 2. Current status

The DBNGP Stage 5 Looping Expansion is being constructed in stages, the first of which was Stage 5A, which commenced in February 2007 and was completed in March 2008. Stage 5B was commenced in January 2009 and completed in November 2011.

The statistics related to implementation of the proposal as at 13 December 2012 is summarised in Table 2. Of the total 1270 km of the Stage 5 proposal, 1011 km have now been constructed.

Table 2 Progress of DBNGP Stage 5 Looping Expansion Project

Loop	Stage 5A		Stage 5B	
	Loop Lengths (km)*	Status of Loops	Loop Lengths (km)*	Status of Loops
Loop 0	0.0	No construction in Loop 0 undertaken in Stage 5A	114.9	Complete
Loop 1	74.0	Complete	32.9	Complete
Loop 2	57.8	Complete	31.9	Complete
Loop 3	60.3	Complete	34.6	Complete
Loop 4	61.9	Complete	33.6	Complete
Loop 5	63.7	Complete	34.0	Complete
Loop 6	70.5	Complete	35.8	Complete
Loop 7	60.4	Complete	44.0	Complete
Loop 8	55.3	Complete	21.8	Complete
Loop 9	52.0	Complete	23.4	Complete
Loop 10	15.1	Complete	33.3	Complete
TOTAL	571.1		440.2	

Completion of Stage 5A was considered to be evidence of substantial commencement of the project as required under Condition 3–2, as reported in the 2007 compliance report (DBP 2008).

As outlined in the 2007 compliance report (DBP 2008), the above description satisfies the requirements of Condition 4–3(8).

This report has been prepared to demonstrate compliance with the Statement conditions for the period from 14 December 2012 to 13 December 2013 inclusive. The report comprises the findings of an audit of compliance with:

- conditions and procedures contained within the Statement as required by Condition 4–3(2) of the Statement
- key actions contained within management plans or programs as required by Conditions 4–3(4) of the Statement.

As Stage 5A of the proposal was completed in March 2008 and Stage 5B was completed in November 2011, no construction activities were conducted during the reporting period 14 December 2012 to 13 December 2013.

### 3. Audit methodology

#### 3.1 Audit plan

##### 3.1.1 Purpose and scope

The purpose of this document is to enable compliance with Conditions 4–1 to 4–4 of Statement No. 735:

*4–1 The proponent shall submit to the CEO environmental compliance reports annually reporting on the previous twelve-month period, unless required by the CEO to report more frequently.*

*Note: Annual reporting shall continue until such time as the Minister for the Environment determines on advice from the Environmental Protection Authority that the proponent has fulfilled its responsibilities in relation to the conditions within this Statement.*

*4–2 The environmental compliance reports shall address each element of an audit program approved by the CEO and shall be prepared and submitted in a format acceptable to the CEO.*

*4–3 The environmental compliance reports shall:*

- 1. be endorsed by signature of the proponent's Chairman or a person, approved in writing by the Chairman, delegated to sign on behalf of the proponent's Chairman;*
- 2. state whether the proponent has complied with each condition and procedure contained in this statement;*
- 3. provide verifiable evidence of compliance with each condition and procedure contained in this statement;*
- 4. state whether the proponent has complied with each key action contained in any environmental management plan or program required by this statement;*
- 5. provide verifiable evidence of conformance with each key action contained in any environmental management plan or program required by this statement;*
- 6. identify all non-compliances and non-conformances and describe the corrective and preventative actions taken in relation to each non-compliance or non-conformance;*
- 7. provide an assessment of the effectiveness of all corrective and preventative actions taken; and*
- 8. describe the state of implementation of the proposal.*

*4–4 The proponent shall make the environmental compliance reports required by condition 4–1 publicly available in a manner approved by the CEO.*

The report has been prepared for submission by DBP to the Chief Executive Officer of the Office of the Environmental Protection Authority (OEPA) (formerly, for compliance reporting, the Department of Environment and Conservation [DEC]) to meet the requirements of Condition 4–1 of Statement No. 735 for submission of an annual compliance report.

Key Actions of a number of management plans were adopted by DBP for inclusion in annual compliance reports on Stage 5A, which were accepted by the DEC (now OEPA) and have been used for all subsequent compliance reporting. However, the majority of these Key Actions have not been assessed in this audit as no construction has occurred during this audit period.

It is also noted that where a previous Compliance Report has indicated a condition was 'Completed' the evidence associated with the previous audit determination has been accepted without verification.

### 3.1.2 Methodology

The audit was conducted in January 2014.

The audit involved a review of written documentation and consultation with Louise Watson (DBP Senior Environmental Advisor) to determine compliance in relation to the conditions of Statement 735.

The required reporting includes "whether the proponent has complied with each condition and procedure contained within the statement" and "conformed with each key action" (Conditions 4–3(2) and 4–3(4) respectively). This section describes how compliance with each condition and conformance with key actions has been audited and reported.

Where evidence has been presented in previous compliance reports, it has not been included with this report to minimise the bulk of reporting. Audit results relating to the Statement conditions and key actions are summarised in Section 4 and detailed audit results presented in Section 5.

Where potential non-compliances have been identified, the corrective and preventative actions taken are described and an assessment of their effectiveness as required by Conditions 4–3(6) and 4–3(7) is provided in Section 4.3.

#### *Compliance with Statement No. 735*

An audit of compliance with the conditions and procedures of the Statement was conducted and a compliance status rating was applied in accordance with terminology described in Section 3.1.3. The full audit is presented in Section 5.1. The identified potential non-compliances are presented in Section 4.1.

#### *Conformance with Key Actions*

Condition 4–3(4) requires DBP to report on conformance with each key action contained within any management plan or program required by Statement No. 735. The conformance status rating was also applied in accordance with the Section 3.1.3 terminology.

Environmental management is primarily achieved through implementation of the CEMP, which contains a number of management protocols<sup>1</sup> that directly relate to all the construction requirements of the Ministerial Conditions. These protocols include a range of additional specific management actions reflecting good management. A number of the management actions within the CEMP directly reflect specific prescriptive conditions within the Statement.

Key actions from the CEMP have been identified as being:

- those management actions in the CEMP protocols implemented to manage a condition of the Statement
- those management actions in CEMP protocols that reflect a key intent of a condition of the Statement.

Using the above definition, key actions have been derived and audited. These key actions have been adopted for all compliance reporting to date. The results of the audit of key actions are presented in Section 4.1 and details of identified potential non-conformances are presented in Section 4.2.

<sup>1</sup> The management protocols in the CEMP include all the environmental management plans required under Statement No. 735 to be prepared for implementation of the proposal.

### *Corrective and preventative actions*

Statement Conditions 4–3(6) and 4–3(7) require descriptions of corrective and preventative actions taken in relation to each non-compliance or non-conformance, together with assessments of their effectiveness. These are presented in Section 4.3.

### *Evidence verification*

Evidence to substantiate compliance with conditions contained within Statement No. 735 and key actions contained within the management plans or programs as required by Conditions 4–3(3) and 4–3(5) has been sourced from previous compliance reports and documentation provided by the proponent.

### 3.1.3 Audit terminology

The 'Status' field of the audit table (refer to Section 5) describes the implementation of the action and compliance with the condition, procedure or commitment. Although the CEO of the OEPA makes the final determination of compliance, it is necessary to update this field each reporting period, as the project progresses. The OEPA (2012a, 2012b, 2012c and 2012d) has prepared updated guidance related to the preparation of compliance audits, including generic expressions that are used to identify the status of each item (Table 3).

Table 3 Action implementation status ((Source: adapted from OEPA (2012b))

Status	Description
Compliant (Conformant)	Implementation of the proposal has been carried out in accordance with requirements of the audit. (Conformant – as above in relation to actions of management plans / programmes)
Completed	A requirement with a finite period of application has been satisfactorily completed.
Not required at this stage	The requirements of the audit element were not triggered during the reporting period.
Potentially non-compliant (Potentially non-conformant)	Possible or likely failure to meet the requirements of the audit element. (Potentially non-conformant – as above in relation to actions of management plans / programmes)
In process	Where an audit element requires a management or monitoring plan be submitted to the OEPA or another government agency for approval, that submission has been made and no further information or changes have been requested by the OEPA or the other government agency and assessment by the OEPA or other government agency for approval is still pending.



## 4. Audit results

This report has been prepared to address the status and compliance of the proposal with the conditions in the Statement in accordance with the annual compliance reporting requirements of Conditions 4–1 to 4–4 of the Statement. The report considers the extent of compliance with each of the 72 conditions, and the extent of conformance with the 42 actions within approved management plans required under various conditions and determined to be Key Actions.

### 4.1 Compliance with Statement No 735 conditions

The detailed results of the audit of Statement 735 are presented in Section 5.1 (Table 4). Condition 1-1 of Statement 735 requires implementation of the proposal as documented in Schedule 1 of the Statement. As no construction occurred during this audit period and the previous audit (Strategen 2013) determined that there were no potential non-conformances with Schedule 1, this has not been audited during this audit period.

Two potential non-compliances with Statement No. 735 were identified by the auditors.

#### *Condition 14.2 states:*

*Manage rehabilitation of the pipeline route until the rehabilitation completion criteria, referred to in condition 14-1, have been achieved (Note: obligations under DoIR legislation mean the vehicular access track must be maintained and thus certain completion criteria may not be achievable within the access track)..*

Applicable completion criteria are as follows:

- A minimum of 1 native plant per square metre when averaged over the entire area rehabilitated at 12 months.
- A minimum of 2 native plants per square metre when averaged over the entire area rehabilitated at 24 months
- Percentage foliage cover of native species indigenous to each plant community is greater than or equal to 40% of foliage cover in vegetation immediately adjacent to the area of disturbance after 24 months (excluding pipeline access track).

It is noted that the most recent monitoring was not undertaken during the audit period. This monitoring is still relevant to the assessment of this audit item.

The most recent review undertaken by Mattiske Consulting Pty Ltd (Mattiske) has concentrated on presenting an overview of the outcomes to date, and highlighting the areas that have not met current performance criteria. Mattiske (2012) indicated that the pipeline alignment can be divided into a range of categories, including pastoral areas, agricultural areas and priority areas.

The overview identified that baseline completion criteria that have been set appear inappropriate for the assessment of rehabilitation along all areas of the DBNGP corridor for a range of reasons including (Mattiske 2012):

1. The dominating presence of Buffel Grass, introduced by pastoralists to be used as livestock fodder, and Cape Weed within sections of the northern pastoral and agricultural areas has resulted in both the Control and ROW areas being heavily influenced by these species. There is, therefore, a need to reconsider the definition of 'weeds' in these areas.
2. The criteria for native plant density, richness and cover cannot be achieved in many Control areas and, as such, it is unrealistic to impose similar standards along the alignment.
3. The erratic nature of seasonal growth conditions in Pastoral Areas can influence the spasmodic nature of native regrowth in disturbed areas. As a result there is a need to reconsider related criteria and modify them according to the current values in the Control areas.
4. In some Agricultural Areas, non-wetting soils have restricted favourable establishment and growth conditions for native species.

DBP advised the auditors that discussions will need to be commenced with the OEPA and Department of Parks and Wildlife (DPaW) in regards to future remediation options and or revised completion criteria, so that this item may be assessed as compliant or completed. However, until the rehabilitation completion criteria referred to in condition 14-1 have been achieved or updated this item is in potential non-compliance.

*Condition 14.4:2 states*

*Implement the Rehabilitation Management Plan and subsequent revisions until such time as the completion criteria are met.*

Refer to condition 14.2 above.

The potential non-compliance relates to completion criteria timing as discussed above and described in the Rehabilitation Management Plan.

DBP advised the auditors that discussions will need to be commenced with the OEPA and DPaW in regards to future remediation options and or revised completion criteria, so that this item may be assessed as compliant or completed.

## 4.2 Conformance with Key Actions

Condition 4–3(4) of Statement No. 735 requires the proponent to demonstrate compliance with key actions contained in any environmental management plan or program required by the Statement. As the key actions all relate to construction activities and no such activities were undertaken during the report period, this condition is considered to be Not Applicable (N/A) to this report.

## 4.3 Corrective actions

DBP advised the auditors that discussions will need to be commenced with the OEPA and DPaW in regards to future remediation options and or revised completion criteria, so that rehabilitation actions may be assessed as compliant or completed.

## 5. Audit tables

### 5.1 Statement No. 735 Summary Audit Tables

Table 4 has been produced to meet condition 4–3(2) of Statement No. 735.

Table 4 Results of audit of Statement No. 735

Audit code	Subject	Action	How	Objective	Phase/Timing	Criteria	Evidence	Finding	Status
735:M1.1	Implementation	Implement the proposal as documented and described in schedule 1 of Statement 735 subject to the conditions and procedures of this statement.	Establish and implement an auditing compliance reporting system.	To avoid unforeseen or unassessed impacts	Overall	-	20120701_R_001_Strategen_2011 DBNGP stage 5 looping expansion project AECR 20130201_R_002_Strategen_2012 DBNGP stage 5 looping expansion project AECR	Refer to Strategen (2012) with respect to implementation as described in Schedule 1 of Statement No. 735. No additional construction has occurred since the previous audit period reported in the 2012 AECR (Strategen 2013).	Compliant
735:M2.1	Nominated proponent	Implement the proposal until such time as the Minister for the Environment nominates another person as the proponent.	Establish and implement auditing compliance reporting system.	To ensure responsibility rests with the nominated proponent	Overall	Has Minister nominated another person as proponent?		DBP remains the proponent.	Compliant
735:M2.2	Proponent contact details	Notify the Chief Executive Officer of the DEC (CEO) of any change of the contact name and address for the serving of a notice or other correspondence within 30 days of such change.	Written notification.	To enable the DEC to maintain contact with the proponent	Overall	Has the contact name and address for the serving of a notice or other correspondence for the project changed since approval; if so, was the Chief Executive Officer of the DEC (CEO) informed within 30 days of such change.	Website indicates that contact name and address have not changed since Loop 10 compliance audit (Strategen 2008).  Recent correspondence from DBP supports this.	The contact address for DBP has not changed.	Compliant
735:M3.1	Authorisation limit	Substantially commence the proposal before 13 December 2011 to avoid lapse of authorisation.	Written notification.	To keep DEC informed of project status	Construction	Substantial construction commenced	20080501_R_003_DBP_DBNGP Stage 5 Looping Expansion Project - DBPL00-506-0504-01 2007 Annual Environmental Compliance Report	Condition satisfied as reported in the 2007 annual compliance report (DBP 2008).	Completed
735:M3.2	Commencement	Provide the CEO with written evidence which demonstrates that the proposal has substantially commenced on or before the 13 December 2011.	Written notification.	To keep DEC informed of project status	Construction	Substantial construction commenced	20080501_R_003_DBP_DBNGP Stage 5 Looping Expansion Project - DBPL00-506-0504-01 2007 Annual Environmental Compliance Report	Condition satisfied as reported in the 2007 annual compliance report (DBP 2008).	Completed
735:M4.1	Compliance reporting - submitting	Submit to the CEO environmental compliance reports reporting on the previous twelve-month period. (Annual Environmental Compliance Report [AECR])	Reports shall address that required by condition 4-2 and condition 4-3.	To provide evidence that the proposal is being implemented and conditions are being met	Overall Annually unless required by the CEO to report more frequently. Annual reporting shall continue until such time as the Minister for the Environment determines on advice from the EPA that the proponent has fulfilled its responsibilities in relation to the conditions within this statement.	2012 AECR covering period 14 Dec 2011 to 13 Dec 2012  2013 AECR covering period 14 Dec 2012 to 13 Dec 2013 (this report)	20132102_R_014_Stage 5 2012 AER MS735_signed 20130803_C_004_DBP-EPA 2012 AECR Submission 20131803_C_005_EPA-DBP 2012 AECR Received	A signed copy of the 2012 AECR (Strategen 2013) dated February 2013 was provided. The report covered the period from 14 Dec 2011 to 13 Dec 2012.  This AECR is considered relevant to the auditing period covered by this audit report.  This audit report is intended to satisfy the requirements for reporting up until 13 December 2013.  The auditors were also provided with correspondence from DBP and EPA documenting the submission and receipt of this document.	Compliant
735:M4.2	Audit Program	Prepare an audit program.	Develop an audit table listing implementation conditions and detail how these will be met. Develop criteria and standards that will be used to measure compliance.	To develop a system of monitoring implementation and environmental performance of the proposal	Design	Audit Table prepared to the satisfaction of the CEO, DEC.	20080501_R_003_DBP_DBNGP Stage 5 Looping Expansion Project - DBPL00-506-0504-01 2007 Annual Environmental Compliance Report	Audit Program was prepared and signed-off by DEC. Relevant correspondence was sighted in a previous Compliance Audit.	Completed

Audit code	Subject	Action	How	Objective	Phase/Timing	Criteria	Evidence	Finding	Status
735:M4.3	Annual environmental compliance reporting - preparation	The environmental compliance reports shall: 1. Be endorsed by signature of the proponent's Chairman or a person, approved in writing by the Chairman, delegated to sign on behalf of the proponent's Chairman. 2. State whether the proponent has complied with each condition and procedure contained in Statement 735. 3. Provide verifiable evidence of compliance with each condition and procedure contained in Statement 735. 4. State compliance with each key action contained in any environmental management plan or program required by Statement 735. 5. Provide verifiable evidence of conformance with each key action contained in any environmental management plan or program required by Statement 735. 6. Identify all non-compliances and non-conformances and describe the corrective and preventative actions taken in relation to each non-compliance or non-conformance. 7. Provide an assessment of the effectiveness of all corrective and preventative actions taken. 8. Describe the state of implementation of the proposal.	Reports presented to satisfy this condition with respect to the content.	To provide evidence that the proposal is being implemented and conditions are being met	Overall	2012 AECR covering period 14 Dec 2011 to 13 Dec 2012	20132102_R_014_Stage 5 2012 AER MS735_signed 20131803_C_005_EPA-DBP 2012 AECR Received	The 2012 AECR was reviewed and determined to be compliant with all clauses of this action. This report is intended to satisfy the requirements for reporting up until 13 December 2013.	Compliant
735:M4.4	Annual environmental compliance reporting – public availability	Make the environmental compliance reports (AECRs) publicly available.	Carry out the following: 1. Provide copies of the documentation to the DEC library 2. Post the document on the proponent's website.	To ensure that the public is kept informed of the proposal and compliance with conditions	Overall Annually	As approved by the CEO.	20130201_R_002_Strategen_2012 DBNGP Stage 5 looping expansion project AECR <a href="http://www.dbp.net.au/the-pipeline/expansion.aspx">http://www.dbp.net.au/the-pipeline/expansion.aspx</a> 20130803_C_004_DBP-EPA 2012 AECR Submission	The auditors reviewed the DBP website and found that the 2012 AECR was available on the proponent's website.  DBP correspondence dated 8 March 2013 indicates that two copies of the 2012 AECR were provided for the purpose of being placed in the agency library.	Compliant

Audit code	Subject	Action	How	Objective	Phase/Timing	Criteria	Evidence	Finding	Status
735:M5.1	Performance review – prepare and submit	Submit a Performance Review report every five years after the start of construction to the EPA, which addresses: 1. The major environmental issues associated with implementing the project; the environmental objectives for those issues; the methodologies used to achieve these; and the key indicators of environmental performance measured against those objectives. 2. The level of progress in the achievement of sound environmental performance, including industry benchmarking, and the use of best available technology where practicable. 3. Significant improvements gained in environmental management, including the use of external peer reviews. 4. Stakeholder and community consultation about environmental performance and the outcomes of that consultation, including a report of any on-going concerns being expressed. The proposed environmental objectives over the next five years, including improvements in technology and management processes.	The Performance Review report will address the required actions.	To provide evidence of environmental performance and to identify aspects that may require environmental improvements	Overall Every 5 years after the start of construction	-	20080501_R_003_DBP_DBNGP Stage 5 Looping Expansion Project - DBPL00-506-0504-01 2007 Annual Environmental Compliance Report  20120801_R_004_Strategen_Dampier to Bunbury Natural Gas Pipeline Stage 5 Looping Expansion Project Five-year Performance Review (2007-2012) 20120803_C_001_DBP_DBNGP Stage 5 Looping Expansion Project Five-year Performance Review (2007-2012), EPA correspondence	2007 AECR noted commencement of construction in February 2007.  DBNGP Stage 5 Looping Expansion Project Five Year Performance Review (2007-2012) (Strategen 2012b) provided to the OEPA on 3 August 2012.	Compliant
735:M5.2	Performance review – public availability	Make the Performance Review reports publicly available.	Carry out the following: 1. Provide copies of the documentation to the DEC library 2. Post the document on the proponent's website	To ensure that the public is kept informed of the environmental performance of the proponent	Overall Every 5 years after the start of construction	-	20120801_R_004_Strategen_Dampier to Bunbury Natural Gas Pipeline Stage 5 Looping Expansion Project Five-year Performance Review (2007-2012)  DBP website: [http://www.dbp.net.au/Libraries/Expansion_Reports/EPA_5_YR_Performance_Review_2012.pdf] Accessed 13 January 2014.  20120803_C_001_DBP_DBNGP Stage 5 Looping Expansion Project Five-year Performance Review (2007-2012), EPA correspondence	The Auditors reviewed the DBP website and found that the Five Year Performance Review (2012) was available.  Cover letter for the Five Year Performance Review (3 August 2012) indicated two copies were provided to OEPA, with the second copy to be placed in the agency library.	Compliant
735:M6.1	Compliance audit - submit	Submit a written compliance audit report to the CEO within 30 days of the conclusion of the construction of each loop section.	The report shall address that outlined in condition 6-2, 6-3 and 6-4.	To provide evidence that the conditions are being met within each loop section	Overall Within 30 days of construction completion in each loop section	Completion of each loop section is considered to be at the time of hand over of the Loop from DBP Construction to Operations.	N/A	No construction occurred during the reporting period for this audit.	Not required at this stage
735:M6.2	Compliance report - prepare	The compliance audit report shall outline identified non-compliances against the conditions of Statement 735.	-	To provide evidence that the conditions are being met within each loop section	Overall	-	N/A	No construction occurred within this audit period.	Not required at this stage

Audit code	Subject	Action	How	Objective	Phase/Timing	Criteria	Evidence	Finding	Status
735:M6.3	Compliance report - prepare	The report shall be endorsed by signature of the proponent's Chairperson or a person approved in writing by the Chairperson, delegated to sign on behalf of the proponent's Chairperson.	-	To provide evidence that the conditions are being met within each loop section	Overall Within 30 days of construction completion in each loop section	-	N/A	No construction occurred within this audit period.	Not required at this stage
735:M6.4	Compliance report - prepare	The report shall include the date, time and location of the non-compliances, the reason for the non-compliances, actions taken to remedy non-compliances and details of management measures implemented to reduce the risk of future non-compliances	Establish and implement auditing compliance reporting system.	To provide evidence that the conditions are being met within each loop section	Overall Within 30 days of construction completion in each loop section	-	N/A	No construction occurred within this audit period.	Not required at this stage
735:M7.1	Spring flora surveys	Submit a report to the CEO, which details the results of the spring flora, surveys undertaken in 2006.	This report shall: 5. Record the location of any Declared Rare Flora, Priority Flora and other species of conservation significance. 6. Identify any Threatened Ecological Communities and other environmentally sensitive areas. 7. Describe the habitat in which specially protected or conservation-significant flora species were found, and the extent of the contiguous area of the same habitat in the local area. 8. Specify the degree of impact of the proposed works on specially protected or conservation-significant flora species, its identified contiguous habitat or Threatened Ecological Communities and other environmentally sensitive areas.	To determine if conservation significant species occur within the proposal area and the potential impact on them	Design Prior to the commencement of vegetation clearing	Survey shall be conducted in accordance with Guidance Statement No. 51 (EPA 2004)	20080501_R_003_DBP_DBNGP Stage 5 Looping Expansion Project - DBPL00-506-0504-01 2007 Annual Environmental Compliance Report	Condition satisfied as reported in the 2007 annual compliance report (DBP 2008).	Completed
735:M7.2	Flora and Vegetation Management Plan - preparation	Prepare a Flora and Vegetation Management Plan, in consultation with the DEC.	The Plan shall: • Identify the proposed management strategy for the protection of Declared Rare Flora, Priority Flora, Threatened Ecological Communities, other conservation significant species and other environmentally sensitive areas identified. • Include a post-activity monitoring plan for specially protected or conservation-significant flora species.	To minimise and manage disturbance of remnant vegetation or conservation significant flora	Design Prior to the commencement of vegetation clearing	-	20080501_R_003_DBP_DBNGP Stage 5 Looping Expansion Project - DBPL00-506-0504-01 2007 Annual Environmental Compliance Report	Condition satisfied as reported in the 2007 annual compliance report (DBP 2008).	Completed
735:M7.3	Flora and Vegetation Management Plan - implementation	Implement the Flora and Vegetation Management Plan.	-	To ensure appropriate management actions are taken to minimise any impacts on flora and vegetation	Construction	-	N/A	No construction occurred within this audit period.	Compliant

Audit code	Subject	Action	How	Objective	Phase/Timing	Criteria	Evidence	Finding	Status
735:M7.4	Flora and Vegetation Management Plan – public availability	Make the Flora and Vegetation Management Plan publicly available.	The revised requirement for making the Flora and Vegetation Management plan publicly available is as follows: Carry out the following: 1) Provide a hard copy to the DEC library and 2) Make the Management Plan available on the DBNGP website	To ensure the public is kept informed	Overall	-	20080501_R_003_DBP_DBNGP Stage 5 Looping Expansion Project - DBPL00-506-0504-01 2007 Annual Environmental Compliance Report  20110811_R_011_DBP_DBNGP Stage 5 Expansion Looping Project [DBPL00-501-0722-01] Construction Environmental Management Plan (and Appendices) Controlled Version 2 Revision D (17 August 2011)  DBP website copy at <a href="http://www.dbp.net.au/the-pipeline/expansion.aspx">http://www.dbp.net.au/the-pipeline/expansion.aspx</a>	A flora and vegetation management protocol is contained within the approved CEMP (DBP, 2011). The CEMP is available on the DBP website.  No revision required during this audit period.	Compliant
735:M8.1	Vegetation disturbance – clear delineation	Clearly delineate on the ground the boundaries of the pipeline easement and the area of disturbance outside the easement.	Implement the Flora and Vegetation Management Plan and Conservation Area Management Plan.	To minimise clearing of vegetation	Design Prior to ground-disturbing activities	As established in the Flora and Vegetation and Conservation Area Management Plans.	N/A	No construction occurred within this audit period.	Not required at this stage
735:M8.2	Vegetation disturbance – exceedance of boundaries	Do not cause disturbance of vegetation outside the delineated pipeline easement, or the delineated area of disturbance outside the easement, unless authorised by the Minister for the Environment.		To minimise disturbance of remnant vegetation	Construction	-	N/A	No construction occurred within this audit period.	Not required at this stage
735:M8.3	Vegetation disturbance – environmentally sensitive areas	Do not cause or allow disturbance of vegetation outside the 20 metre wide easement located within environmentally sensitive areas, unless authorised by the Minister for the Environment.	Establish and implement auditing compliance reporting system.	To minimise disturbance of vegetation in environmentally sensitive areas	Construction	-	N/A	No construction occurred within this audit period.	Not required at this stage
735:M9.1	Fauna Management Plan - preparation	Prepare a Fauna Management Plan, which includes a Fauna Interaction Protocol, in consultation with the DEC.	The Plan shall include: <ul style="list-style-type: none"> <li>Procedures to minimise and manage impacts on all native fauna, including conservation-significant fauna species identified in Bancroft and Bamford, Fauna Values of Stage 5 of the Dampier to Bunbury Natural Gas Pipeline (DBNGP): A Review (2006).</li> <li>Procedures for the management of water bodies within open trenches to minimise fauna death or injury.</li> </ul>	To minimise direct impacts on native fauna	Design Prior to ground disturbing activities	-	20080501_R_003_DBP_DBNGP Stage 5 Looping Expansion Project - DBPL00-506-0504-01 2007 Annual Environmental Compliance Report	Condition satisfied as reported in the 2007 annual compliance report (DBP 2008).	Completed
735:M9.2	Fauna – trench clearing	The clearing of open trenches by the fauna-clearing persons is to be completed each day by no later than 4.5 hours after sunrise for Loops 0 to 7 and no later than 5 hours after sunrise for Loops 8 to 10 and at least half an hour prior to the backfilling of pipeline trenches.	-	To minimise death or injury to fauna trapped in the open trenches	Construction	-	N/A	No construction occurred within this audit period.	Not required at this stage



Audit code	Subject	Action	How	Objective	Phase/Timing	Criteria	Evidence	Finding	Status
735:M9.3	Fauna – open trench length	Open trench lengths shall not exceed a length capable of being inspected and cleared by fauna clearing persons within the required times as set out in conditions 9-2, 10-2 and 10-4.	-	To minimise death or injury to fauna trapped in the open trenches	Construction	-	N/A	No construction occurred within this audit period.	Not required at this stage
735:M9.4	Fauna – identification of significant habitat trees	Significant habitat trees of sufficient age to form nesting hollows for hollow-nesting birds and mammals shall be marked, prior to construction, in consultation with the DEC.	-	To identify significant habitat trees that can be retained	Construction Prior to construction in each area	A habitat tree was assessed as having habitat value if it had 'a trunk diameter greater than 30 centimetres at breast height, irrespective of availability of lack of any evidence of use by fauna' (CEMP Controlled version 2)	N/A	No construction occurred within this audit period.	Not required at this stage
735:M9.5	Fauna – retention of significant habitat trees	Marked significant habitat trees as referred to in condition 9-4 shall be retained, except in the case where habitat trees occur in the direct line of the proposed pipeline.	-	To retain significant habitat trees for fauna, where possible	Construction	-	N/A	No construction occurred within this audit period.	Not required at this stage
735:M9.6	Fauna – backfill of trench	Monitor weather forecasts through the Bureau of Meteorology and in the event of a weather forecast indicating rainfall sufficient to cause flooding of trenches or drowning of fauna trapped in trenches, in consultation with DEC, backfill all lengths of open trench with a potential to be flooded or cause drowning of fauna.	-	To minimise harm to fauna that could be trapped and drown in open trenches	Construction	-	N/A	No construction occurred within this audit period.	Not required at this stage
735:M9.7	Fauna – period that trench is open	Where wet trenching is conducted, trenches shall not remain open for periods longer than 48 hours within wetlands and environmentally sensitive areas and 7 days for all other areas.	-	To minimise death or injury to fauna	Construction	-	N/A	No construction occurred within this audit period.	Not required at this stage
735:M9.8	Fauna – qualifications of clearing persons	The fauna clearing persons shall operate in teams of two with at least one fauna clearing person experienced in the following, to the requirements of DEC: <ul style="list-style-type: none"> <li>Fauna identification, capture and handling (including venomous snakes).</li> <li>Identification of tracks, scats, burrows and nests of conservation significant species.</li> <li>Fauna vouchering.</li> <li>Assessing injured fauna for suitability for release, rehabilitation or euthanasia.</li> <li>Familiarity with the ecology of the species that may be encountered in order to be able to appropriately translocate fauna encountered.</li> <li>Performing euthanasia.</li> </ul>	-	To ensure fauna handling is of a high standard	Construction	-	N/A	No construction occurred within this audit period.	Not required at this stage

Audit code	Subject	Action	How	Objective	Phase/Timing	Criteria	Evidence	Finding	Status
735:M9.9:1	Fauna – clearing person training	Ensure that basic fauna handling training is provided to fauna clearing persons who do not possess the skills and experience outlined in condition 9-8 prior to the fauna clearing person commencing employment.	-	To ensure fauna handling is of a high standard	Design	In accordance with training developed in consultation with DEC.	N/A	No design phase relevant to the audit period - no construction occurred.	Not required at this stage
735:M9.9:2	Fauna clearing person-training	Ensure that basic fauna handling training is provided to fauna clearing persons who do not possess the skills and experience outlined in condition 9-8 prior to the fauna clearing person commencing employment.	-	To ensure fauna handling is of a high standard	Construction	In accordance with training developed in consultation with DEC.	N/A	No construction occurred within this audit period.	Not required at this stage
735:M9.10:1	Fauna – clearing person training	The fauna handling training as outlined in condition 9-9 shall be developed in consultation with the DEC.	-	To ensure best practice management	Design	-	N/A	No design phase relevant to the audit period - no construction occurred.	Not required at this stage
735:M9.10:2	Fauna – clearing person training	The fauna handling training as outlined in condition 9-9 shall be developed in consultation with the DEC.	-	To ensure best practice management	Construction	-	N/A	No construction occurred within this audit period.	Not required at this stage
735:M9.11	Fauna – period that trench is open	No part of the trench shall remain open for more than 14 days except 'bell holes', unless authorised by the CEO.	Establish record log book as required by condition 9-13.	To minimise death or injury to fauna	Construction	-	N/A	No construction occurred within this audit period.	Not required at this stage
735:M9.12	Fauna – period that trench is open	In environmentally sensitive areas, no part of the trench shall remain open for more than seven days, unless authorised by the CEO.	Establish record log book as required by condition 9-13.	To minimise death or injury to fauna	Construction	-	N/A	No construction occurred within this audit period.	Not required at this stage
735:M9.13	Fauna – period that trench is open	In order to comply with condition 9-11 and condition 9-12, record each day in a log and on the ground the kilometre points of the start point and finish point of the trench opened on each day.	-	To ensure conditions are complied with	Construction	-	N/A	No construction occurred within this audit period.	Not required at this stage
735:M9.14	Fauna Management Plan – review and revise	Review and revise, as required, the Fauna Management Plan required by condition 9-1.	Utilise compliance, performance and auditing reports.	To ensure best practice management	Construction	-	20110811_R_011_DBP_DBNGP Stage 5 Expansion Looping Project [DBPL00-501-0722-01] Construction Environmental Management Plan (and Appendices) Controlled Version 2 Revision D (17 August 2011)	No revisions during this audit period.	Not required at this stage
735:M9.15	Fauna Management Plan - implementation	Implement the Fauna Management Plan and subsequent revisions.	Incorporate in construction planning	To ensure appropriate management actions are taken to minimise any impacts on fauna	Construction	-	N/A	No construction occurred within this audit period.	Compliant
735:M9.16	Fauna Management Plan – public availability	Make the Fauna Management Plan and subsequent revisions publicly available.	The revised requirement for making the Fauna Management plan publicly available is as follows: Carry out the following: 1) Provide a hard copy to the DEC library and 2) Make the Management Plan available on the DBNGP website.	To ensure the public is kept informed	Overall	-	20110811_R_011_DBP_DBNGP Stage 5 Expansion Looping Project [DBPL00-501-0722-01] Construction Environmental Management Plan (and Appendices) Controlled Version 2 Revision D (17 August 2011)  DBP website copy at <a href="http://www.dbp.net.au/the-pipeline/expansion.aspx">http://www.dbp.net.au/the-pipeline/expansion.aspx</a>	Within the approved CEMP is a section relating to 'Fauna Impact Protocol'. This information is publicly available on the DBNGP website.  No revisions occurred during this audit period.	Compliant

Audit code	Subject	Action	How	Objective	Phase/Timing	Criteria	Evidence	Finding	Status
735:M9.17	Fauna management – performance monitoring reports	Produce weekly performance monitoring reports on fauna management for each loop.	The Reports shall include, but not necessarily be limited to, details of all fauna inspections, the number of fauna cleared from trenches, fauna interactions, fauna mortalities and all actions taken. These reports are to be provided to the CEO each week.	To provide evidence of the effectiveness of fauna management measures	Construction	-	N/A	No construction occurred within this audit period.	Not required at this stage
735:M9.18:1	Fauna management – performance monitoring reports	Produce monthly performance monitoring reports on fauna management for each Loop.	The Reports shall include, but not necessarily be limited to, details of all fauna inspections, the number of fauna cleared from trenches, fauna interactions, fauna mortalities and all actions taken.	To provide evidence of environmental performance in relation to fauna management	Construction	-	N/A	No construction occurred within this audit period.	Not required at this stage
735:M9.18:2	Fauna management – performance monitoring reports	Make the monthly performance monitoring reports publicly available on completion of each loop.	The revised requirement for making monthly performance monitoring reports publicly available is as follows, reports to be provided to: 1) The DEC (Compliance Monitoring Section) 2) The DEC library 3) Made available on the website of the DBNGP	To ensure the public is kept informed	Overall	-	N/A	No construction occurred within this audit period.	Not required at this stage
735:M10.1	Timing of construction works – Loops 0 to 2	Avoid open trench work on Loops 0 to 2 from November to March inclusive unless otherwise allowed for in condition 10-2.	Establish and implement auditing compliance reporting system.	To avoid working in the wet season	Construction	-	N/A	No construction occurred within this audit period.	Not required at this stage
735:M10.2	Timing of construction works – Loops 0 to 2	In the event that open trench work on Loops 0 to 2 is conducted during November to March the following shall be undertaken: <ul style="list-style-type: none"> <li>Provide a report to the DEC outlining the reasons why open trench work was necessary during the period November to March inclusive.</li> <li>Complete fauna clearing as described in condition 9-2 by 3 hours after sunrise or when daily temperatures are forecast by the Bureau of Meteorology to exceed 35°C fauna clearing shall be completed by 2.5 hours after sunrise.</li> </ul>	Establish and implement auditing compliance reporting system.	To avoid working in the wet season	Construction	-	N/A	No construction occurred within this audit period.	Not required at this stage
735:M10.3	Timing of construction works – Loops 8 to 10	Avoid open trench work on Loops 8 to 10 from June to December (inclusive) unless otherwise allowed for in condition 10-4.	Establish and implement auditing compliance reporting system.	To avoid working in the wet season	Construction	-	N/A	No construction occurred within this audit period.	Not required at this stage

Audit code	Subject	Action	How	Objective	Phase/Timing	Criteria	Evidence	Finding	Status
735:M10.4	Timing of construction works – Loops 8 to 10	Where open trench work is undertaken during June to December inclusive the following shall be undertaken: <ul style="list-style-type: none"> <li>Provide a report to the DEC outlining the reasons why open trench work was necessary during the period June to December inclusive.</li> <li>Implement the Wetlands Crossing Management Plan (condition 12-1) and the Dieback and Weed Management Plan (condition 13-2).</li> </ul>	Establish and implement auditing compliance reporting system.	To avoid working in the wet season	Construction	-	N/A	No construction occurred within this audit period.	Not required at this stage
735:M11.1:1	Watercourses – vegetation delineation	Delineate the riparian vegetation along watercourses which will be traversed.	-	To minimise and manage disturbance of riparian vegetation	Design	-	N/A	No design phase relevant to the audit period - no construction occurred.	Not required at this stage
735:M11.1:2	Watercourses-vegetation delineation.	Delineate the riparian vegetation along watercourses which will be traversed	-	To minimise and manage disturbance of riparian vegetation	Construction	-	N/A	No construction occurred within this audit period.	Not required at this stage
735:M11.2	Watercourse Crossing Management Plan -	Prepare in consultation with the DEC, a Watercourse Crossing Management Plan to minimise disturbance of riparian vegetation.	The Plan shall address: <ul style="list-style-type: none"> <li>Objectives and key performance criteria.</li> <li>Management actions (e.g. general requirements, surveying, trenching and excavation, drilling).</li> <li>Monitoring and recording.</li> <li>Contingency actions.</li> </ul>	To minimise and manage disturbance of watercourses	Design Prior to ground-disturbing activities	-	20080501_R_003_DBP_DBNGP Stage 5 Looping Expansion Project - DBPL00-506-0504-01 2007 Annual Environmental Compliance Report	Condition satisfied as reported in the 2007 annual compliance report (DBP 2008).	Completed
735:M11.3	Watercourse Crossing Management Plan - implementation	Implement the Watercourse Crossing Management Plan.	Incorporate into construction planning	To ensure appropriate management actions are taken to minimise any impacts on watercourses	Construction	-	N/A	No construction occurred within this audit period.	Compliant
735:M11.4	Watercourse Crossing Management Plan – public availability	Make the Watercourse Crossing Management Plan publicly available	The revised requirement for making the Watercourse Crossing Management Plan publicly available is as follows: Carry out the following: 1) Provide a hard copy to the DEC library and 2) Make the Management Plan available on the DBNGP website.	To ensure the public is kept informed	Overall	-	DBP website (DBP 2011) copy at <a href="http://www.dbp.net.au/Libraries/Expansion_Reports/DBP08048_DBNGP_Stage5B_CEMP_DMP_CV2_Rev_1_Main_Report.pdf">http://www.dbp.net.au/Libraries/Expansion_Reports/DBP08048_DBNGP_Stage5B_CEMP_DMP_CV2_Rev_1_Main_Report.pdf</a> [accessed 15 January 2014]	Within the approved CEMP is a section relating to 'Watercourse Crossing Protocol'. This information is publicly available on the DBNGP website.  No revisions occurred during this audit period.	Compliant
735:M12.1	Wetland crossing Management Plan - prepare	Prepare, in consultation with the DEC, a Wetland Crossing Management Plan.	As described in condition 12-2.	To minimise and manage disturbance to wetlands and wetland buffer areas	Design	Criteria established by condition 12-1	20080501_R_003_DBP_DBNGP Stage 5 Looping Expansion Project - DBPL00-506-0504-01 2007 Annual Environmental Compliance Report	Condition satisfied as reported in the 2007 annual compliance report (DBP 2008).	Completed
735:M12.2	Wetland crossing Management Plan - prepare	The Wetland Crossing Management Plan shall set out procedures to protect any wetland crossed by the trench in the event that trenching is proposed where there is standing water in the wetland.	Establish and implement auditing compliance reporting system.	To minimise and manage disturbance to wetlands and wetland buffer areas	Design	Criteria established by condition 12-1	20080501_R_003_DBP_DBNGP Stage 5 Looping Expansion Project - DBPL00-506-0504-01 2007 Annual Environmental Compliance Report	Condition satisfied as reported in the 2007 annual compliance report (DBP 2008).	Completed

Audit code	Subject	Action	How	Objective	Phase/Timing	Criteria	Evidence	Finding	Status
735:M12.3	Wetland Crossing Management Plan - implementation	Implement the Wetland Crossing Management Plan.	-	To ensure appropriate management actions are taken to minimise any impacts on wetlands	Construction	-	N/A	No construction occurred within this audit period.	Compliant
735:M12.4	Wetland Crossing Management Plan – public availability	Make the Wetland Crossing Management Plan publicly available.	The revised requirement for making the Wetland Crossing Management Plan publicly available is as follows: Carry out the following: 1) Provide a hard copy to the DEC library and 2) Make the Management Plan available on the DBNGP website.	To ensure the public is kept informed	Overall	-	DBP website (DBP 2011) copy at <a href="http://www.dbp.net.au/Libraries/Expansion_Reports/DBP08048_DBNGP_Stage5B_CEMP_DMP_CV2_Rev_1_Main_Report.pdf">http://www.dbp.net.au/Libraries/Expansion_Reports/DBP08048_DBNGP_Stage5B_CEMP_DMP_CV2_Rev_1_Main_Report.pdf</a> [accessed 15 January 2014]	The CEMP was available on the DBP website during the audit period.	Compliant
735:M13.1	Dieback – delineate risk areas	Delineate surveyed occurrences of high risk, medium risk and medium to low risk dieback areas.	Establish and implement auditing compliance reporting system.	To minimise and manage the risk of introducing or spreading dieback	Design	-	N/A	No design phase relevant to the audit period - no construction occurred	Not required at this stage
735:M13.2	Dieback and Weed Management Plan - prepare	Prepare a Dieback and Weed Management Plan.	The plan shall address: Objectives and key performance criteria. Management actions (e.g. general requirements, hygiene management procedures). Monitoring and recording. Contingency actions.	To minimise the risk of introducing or spreading weeds and/or diseases	Design Prior to ground disturbing activities	-	20080501_R_003_DBP_DBNGP Stage 5 Looping Expansion Project - DBPL00-506-0504-01 2007 Annual Environmental Compliance Report	Condition satisfied as reported in the 2007 annual compliance report (DBP 2008).	Completed
735:M13.3	Dieback and Weed Management Plan – review and revise	In consultation with the DEC, review and revise, as required, the Dieback and Weed Management Plan.	-	To ensure best management practice	Construction	-	20110811_R_011_DBP_DBNGP Stage 5 Expansion Looping Project [DBPL00-501-0722-01] Construction Environmental Management Plan (and Appendices) Controlled Version 2 Revision D (17 August 2011)	No revision required during this audit period.	Not required at this stage
735:M13.4	Dieback and Weed Management Plan - implementation	Implement the Weed and Dieback Management Plan and any subsequent revisions of the Weed and Dieback Management Plan.	Incorporate in construction planning	To ensure appropriate management actions are taken to minimise impacts from weed and dieback introduction and/or spread	Construction	-	N/A	No construction occurred within this audit period.	Compliant
735:M13.5	Dieback and Weed Management Plan – public availability	Make the Weed and Dieback Management Plan and any subsequent revisions required by condition 13-3 publicly available.	The revised requirement for making the Weed and Dieback Management Plan publicly available is as follows: Carry out the following: 1) Provide a hard copy to the DEC library and 2) Make the Management Plan available on the DBNGP website.	To ensure the public is kept informed	Overall	-	20080501_R_003_DBP_DBNGP Stage 5 Looping Expansion Project - DBPL00-506-0504-01 2007 Annual Environmental Compliance Report  20110811_R_011_DBP_DBNGP Stage 5 Expansion Looping Project [DBPL00-501-0722-01] Construction Environmental Management Plan (and Appendices) Controlled Version 2 Revision D (17 August 2011)  DBP website (DBP 2011) copy at <a href="http://www.dbp.net.au/the-pipeline/expansion.aspx">http://www.dbp.net.au/the-pipeline/expansion.aspx</a>	The CEMP was available on the DBP website during the audit period. No revision required during this audit period.	Compliant

Audit code	Subject	Action	How	Objective	Phase/Timing	Criteria	Evidence	Finding	Status
735:M14.1	Rehabilitation Management Plan - prepare	Prepare a Rehabilitation Management Plan.	The Plan shall address: 1. Weed management protocols. 2. Dieback management protocols. 3. Soil management protocols. 4. Rehabilitation completion criteria. 5. The need for propagule augmentation to achieve completion criteria	To re-establish vegetation and associated habitat areas, controlling sediment and erosion.	Design Prior to ground-disturbing activities	Criteria established by condition 14-1	20080501_R_003_DBP_DBNGP Stage 5 Looping Expansion Project - DBPL00-506-0504-01 2007 Annual Environmental Compliance Report	Condition satisfied as reported in the 2007 annual compliance report (DBP 2008).	Completed

Audit code	Subject	Action	How	Objective	Phase/Timing	Criteria	Evidence	Finding	Status
735:M14.2	Rehabilitation – management period	Manage rehabilitation of the pipeline route until the rehabilitation completion criteria, referred to in condition 14-1, have been achieved (Note: obligations under DoIR legislation mean the vehicular access track must be maintained and thus certain completion criteria may not be achievable within the access track).		To ensure effective rehabilitation	Overall	Criteria established by condition 14-1	<p>20130201_R_002_Strategen_2012 DBNGP stage 5 looping expansion project AECR</p> <p>20120301_R_007_DBP_DBNGP Flora and Vegetation Rehabilitation Monitoring: Stage 5a Loops 1–6 (Mattiske, March 2012)</p> <p>20120201_R_008_DBP_DBNGP Flora and Vegetation Rehabilitation Monitoring: Stage 5b Loops 0–6 (Mattiske, February 2012)</p> <p>20120601_R_009_DBP_DBNGP Flora and Vegetation Rehabilitation Monitoring: Stage 5b Loops 7–10 (Mattiske, June 2012)</p> <p>20120901_R_010_DBP_DBP Review Overview (Mattiske, September 2012)</p>	<p>Applicable completion criteria are as follows:</p> <ul style="list-style-type: none"> <li>A minimum of 1 native plant per square metre when averaged over the entire area rehabilitated at 12 months.</li> <li>A minimum of 2 native plants per square metre when averaged over the entire area rehabilitated at 24 months</li> <li>Percentage foliage cover of native species indigenous to each plant community is greater than or equal to 40% of foliage cover in vegetation immediately adjacent to the area of disturbance after 24 months (excluding pipeline access track).</li> </ul> <p>It is noted that the most recent monitoring was not undertaken during the audit period. This monitoring is still relevant to the assessment of this audit item.</p> <p>The most recent review undertaken by Mattiske Consulting Pty Ltd (Mattiske) has concentrated on presenting an overview of the outcomes to date, and highlighting the areas that have not met current performance criteria. Mattiske (2012) indicated that the pipeline alignment can be divided into a range of categories, including pastoral areas, agricultural areas and priority areas.</p> <p>The overview identified that baseline completion criteria that have been set appear inappropriate for the assessment of rehabilitation along all areas of the DBNGP corridor for a range of reasons including (Mattiske 2012):</p> <ol style="list-style-type: none"> <li>The dominating presence of Buffel Grass, introduced by pastoralists to be used as livestock fodder, and Cape Weed within sections of the northern pastoral and agricultural areas has resulted in both the Control and ROW areas being heavily influenced by these species. There is, therefore, a need to reconsider the definition of 'weeds' in these areas.</li> <li>The criteria for native plant density, richness and cover cannot be achieved in many Control areas and, as such, it is unrealistic to impose similar standards along the alignment.</li> <li>The erratic nature of seasonal growth conditions in Pastoral Areas can influence the spasmodic nature of native regrowth in disturbed areas. As a result there is a need to reconsider related criteria and modify them according to the current values in the Control areas.</li> <li>In some Agricultural Areas, non-wetting soils have restricted favourable establishment and growth conditions for native species.</li> </ol> <p>DBP advised the auditors that discussions will need to be commenced with the OEPA and DPaW in regards to future remediation options and or revised completion criteria, so that this item may be assessed as compliant or completed.</p> <p>However, until the rehabilitation completion criteria referred to in condition 14-1 have been achieved or updated this item is in potential non-compliance.</p>	Possible non-compliance
735:M14.3:1	Rehabilitation Management Plan – review and revision	In consultation with the DEC, review and revise, as required, the Rehabilitation Management Plan.	-	To ensure best practice	Construction	-	20110811_R_011_DBP_DBNGP Stage 5 Expansion Looping Project [DBPL00-501-0722-01] Construction Environmental Management Plan (and Appendices) Controlled Version 2 Revision D (17 August 2011)	<p>No revision required during this audit period.</p> <p>No construction occurred during the audit period.</p>	Not required at this stage

Audit code	Subject	Action	How	Objective	Phase/Timing	Criteria	Evidence	Finding	Status
735:M14.3:2	Rehabilitation Management Plan – review and revision	In consultation with the DEC, review and revise, as required, the Rehabilitation Management Plan.	-	To ensure best practice	Operation	-	20110811_R_011_DBP_DBNGP Stage 5 Expansion Looping Project [DBPL00-501-0722-01] Construction Environmental Management Plan (and Appendices) Controlled Version 2 Revision D (17 August 2011)	No revision required during this audit period.	Not required at this stage
735:M14.4:1	Rehabilitation Management Plan - implementation	Implement the Rehabilitation Management Plan and subsequent revisions until such time as the completion criteria are met.	-	To ensure rehabilitation planning and activities are implemented	Construction	-	N/A	No construction occurred during this audit period.	Not required at this stage.
735:M14.4:2	Rehabilitation Management Plan - implementation	Implement the Rehabilitation Management Plan and subsequent revisions until such time as the completion criteria are met.	-	To ensure rehabilitation planning and activities are implemented	Operation	-	20130201_R_002_Strategen_2012 DBNGP stage 5 looping expansion project AECR	Refer to Item 735:M14.2. The potential non-compliance relates to completion criteria timing as discussed above and described in the Rehabilitation Management Plan. DBP advised the auditors that discussions will need to be commenced with the OEPA and DPaW in regards to future remediation options and or revised completion criteria, so that this item may be assessed as compliant or completed.	Potential Non Compliance
735:M14.5	Rehabilitation Management Plan – public availability	Make the Rehabilitation Management Plan and subsequent revisions publicly available.	The revised requirement for making the Rehabilitation Management Plan publicly available is as follows: Carry out the following: 1) Provide a hard copy to the DEC library and 2) Make the Management Plan available on the DBNGP website.	To ensure the public is kept informed	Overall	-	20110811_R_011_DBP_DBNGP Stage 5 Expansion Looping Project [DBPL00-501-0722-01] Construction Environmental Management Plan (and Appendices) Controlled Version 2 Revision D (17 August 2011)  DBP website (DBP 2011) copy at <a href="http://www.dbp.net.au/the-pipeline/expansion.aspx">http://www.dbp.net.au/the-pipeline/expansion.aspx</a>	The CEMP was available on the DBP website during the audit period. No revision required during this audit period.	Compliant
735:M15.1	Acid Sulphate Soils - investigations	Prior to the commencement of soil disturbance or dewatering in an area, undertake field investigations within that area to clearly delineate areas of high, high to medium, medium to low risk acid sulphate soils.	-	To identify those areas where acid sulphate soil management is required	Design Prior to the commencement of soil disturbance or dewatering in an area	DoE Acid Sulfate Soils Guideline Series (DoE 2006)	N/A	No design phase relevant to the audit period - no construction occurred.	Not required at this stage
735:M15.2	Acid Sulphate Soils - Management	Ensure that within high, high to medium and medium to low acid sulphate soil risk areas, trenches will be excavated in lengths that permit trenches to be opened and closed within a 48 hour period.	Establish and implement auditing compliance reporting system.	To minimise adverse affects caused by acid sulphate soil disturbance	Construction	-	N/A	No construction occurred within this audit period.	Not required at this stage
735:M15.3	Acid Sulphate Soils and Dewatering Management Plan - prepare	Prepare an Acid Sulphate Soils and Dewatering Management Plan, in consultation with the DEC to the requirements of the Minister for the Environment on advice of the EPA.	Plan to demonstrate that all practical measures have been included to manage the potential impacts of acid sulphate soils and dewatering activities.	To ensure that there are no adverse impacts to sensitive receptors as a result of acid sulphate soil disturbance and dewatering	Design Prior to trenching and excavation activities	Criteria established by M15-3	20080501_R_003_DBP_DBNGP Stage 5 Looping Expansion Project - DBPL00-506-0504-01 2007 Annual Environmental Compliance Report	Condition satisfied as reported in the 2007 annual compliance report (DBP 2008).	Completed
735:M15.4	Acid Sulphate Soils and Dewatering Management Plan – review and revise	Review and revise, as required, the Acid Sulphate Soils and Dewatering Management Plan.	-	To ensure best practice management	Construction	-	20110811_R_011_DBP_DBNGP Stage 5 Expansion Looping Project [DBPL00-501-0722-01] Construction Environmental Management Plan (and Appendices) Controlled Version 2 Revision D (17 August 2011)	No revision required during this audit period.	Not required at this stage.
735:M15.5	Acid Sulphate Soils and Dewatering Management Plan - implementation	Implement and comply with the Acid Sulphate Soils and Dewatering Management Plan and subsequent revisions.	Incorporate in construction planning.	To ensure appropriate management actions are taken to minimise impacts from acid sulphate soil disturbance and dewatering	Construction	-	N/A	No construction occurred within this audit period.	Compliant



Audit code	Subject	Action	How	Objective	Phase/Timing	Criteria	Evidence	Finding	Status
735:M15.6	Acid Sulphate Soils and Dewatering Management Plan – public availability	Make the Acid Sulphate Soils and Dewatering Management Plan and subsequent revisions publicly available.	The revised requirement for making the Acid Sulphate Soils and Dewatering Management Plan publicly available is as follows: Carry out the following: 1) Provide a hard copy to the DEC library and 2) Make the Management Plan available on the DBNGP website.	To ensure the public is kept informed	Overall	-	20110811_R_011_DBP_DBNGP Stage 5 Expansion Looping Project [DBPL00-501-0722-01] Construction Environmental Management Plan (and Appendices) Controlled Version 2 Revision D (17 August 2011)  DBP website (DBP 2011) copy at <a href="http://www.dbp.net.au/the-pipeline/expansion.aspx">http://www.dbp.net.au/the-pipeline/expansion.aspx</a>	The CEMP was available on the DBP website during the audit period. No revisions occurred during this audit period.	Compliant
735:M16.1	Preliminary Decommissioning Plan - prepare	Prepare a Preliminary Decommissioning Plan for approval by the CEO.	The Plan shall describe the framework and strategies to ensure that the site is left in an environmentally acceptable condition, and provides: <ul style="list-style-type: none"> <li>The rationale for the siting and design of plant and infrastructure as relevant to environmental protection.</li> <li>A conceptual description of the final landform at closure.</li> <li>A plan for a care and maintenance phase.</li> <li>Initial plans for the management of noxious materials.</li> </ul>	To appropriately decommission the DBNGP in accordance with regulatory requirements and accepted best practice environmental management	Design Prior to undertaking ground-disturbing activities	Criteria established by M16-1	20080501_R_003_DBP_DBNGP Stage 5 Looping Expansion Project - DBPL00-506-0504-01 2007 Annual Environmental Compliance Report	Condition satisfied as reported in the 2007 annual compliance report (DBP 2008).	Completed
735:M16.2	Final Decommissioning Plan – prepare and submit	At least 12 months prior to the anticipated date of closure, or at a time approved by the EPA, submit a Final Decommissioning Plan designed to ensure that the site is left in an environmentally acceptable condition prepared on advice of the EPA, for approval of the CEO.	The Final Decommissioning Plan shall set out procedures and measures for: <ul style="list-style-type: none"> <li>Removal or, if appropriate, retention of plant and infrastructure agreed in consultation with relevant stakeholders.</li> <li>Rehabilitation of all disturbed areas to a standard suitable for the agreed new land use(s).</li> <li>Identification of contaminated area, including provision of evidence of notification and proposed management measures to relevant statutory authorities.</li> </ul>	To ensure that the site is left in an environmentally acceptable condition	Overall At least 12 months prior to anticipated closure	Criteria established by condition 16-2	Not yet relevant (not within 12 months of anticipated closure) 20120803_C_003_Asset life	Not yet relevant (not within 12 months of anticipated closure). Email correspondence verifying anticipated decommissioning date not within 12 months	Not required at this stage
735:M16.3	Final Decommissioning Plan - implementation	Implement the Final Decommissioning Plan until such time as the Minister for the Environment determines, on advice of the CEO, that decommissioning responsibilities have been fulfilled.	-	To ensure that the Final Decommissioning Plan is implemented	Closure	-	Not yet relevant (closure phase) 20120803_C_003_Asset life	Not yet relevant (closure phase). Email correspondence verifying anticipated decommissioning date not within 12 months	Not required at this stage

Audit code	Subject	Action	How	Objective	Phase/Timing	Criteria	Evidence	Finding	Status
735:M16.4	Final Decommissioning Plan – public availability	Make the Final Decommissioning Plan publicly available.	The revised requirement for making the Final Decommissioning Plan publicly available is as follows: Carry out the following: 1) Provide a hard copy to the DEC library and 2) Make the Management Plan available on the DBNGP website.	To ensure the public is kept informed	Overall	-	Not yet relevant (closure phase) 20120803_C_003_Asset life	Not yet relevant. Email correspondence verifying anticipated decommissioning date not within 12 months	Not required at this stage

## 6. Statement regarding compliance

An audit of the DBNGP project was undertaken to determine compliance with the conditions of Statement 735 during the period 14 December 2012 to 13 December 2013. Two potential non-compliances with Statement No. 735 were identified by the auditors.



Signature of Chief Executive Officer of DBNGP (WA) Nominees Pty Ltd:

Date: 12/3/14

## 7. References

- DBP 2008, *DBNGP Stage 5 Looping Expansion Project - DBPL00-506-0504-01 2007 Annual Environmental Compliance Report (Ministerial Statement No. 735)*, report prepared for DBNGP (WA) Nominees Pty Ltd by Strategen, Leederville, Western Australia.
- DBP 2011, *DBNGP Stage 5 Expansion Looping Project DBPL-00-501-0722-01 Construction Environmental Management Plan – Controlled Version 2*, report prepared for DBNGP (WA) Nominees Pty Ltd, August 2011.
- Mattiske Consulting Pty Ltd (Mattiske) 2012, *Dampier to Bunbury Natural Gas Pipeline (DBNGP) Flora and Vegetation Rehabilitation Monitoring: Stage 5A Loops 1-6*, reported prepared DBNGP (WA) Nominees Pty Ltd, March 2012.
- Office of Environmental Protection Authority (OEPA) 2012a, *Post Assessment Guideline for Preparing a Compliance Assessment Plan*, OEPA, Perth, August 2012.
- Office of Environmental Protection Authority (OEPA) 2012b, *Post Assessment Guideline for Preparing an Audit Table*, OEPA, Perth, August 2012.
- Office of Environmental Protection Authority (OEPA) 2012c, *Post Assessment Guideline for Making Information Publically Available*, OEPA, Perth, August 2012.
- Office of Environmental Protection Authority (OEPA) 2012d, *Post Assessment Guideline for Preparing a Compliance Assessment Report*, OEPA, Perth, August 2012.
- Strategen 2006, *Dampier-Bunbury Natural Gas Pipeline Stage 5 Expansion – Environmental Impact Assessment*, report prepared for Alinta Asset Management by Strategie, Leederville, Western Australia.
- Strategen 2008, *Dampier-Bunbury Natural Gas Pipeline Stage 5 Expansion – Loop 10 Compliance Audit*, report prepared for Westnet Energy, December 2008
- Strategen 2012, *DBNGP Stage 5 Looping Expansion Project- 2011 Annual Environmental Compliance Report (Statement No. 735)*, report prepared for DBNGP (WA) Nominees Pty Ltd, July 2012
- Strategen 2012b, *Dampier Bunbury Natural Gas Pipeline Stage 5 Looping Expansion Project Five-year Performance Review (2007-2012)*, report prepared for DBNGP (WA) Nominees Pty Ltd, August 2012.
- Strategen 2012c, *Dampier, Bunbury Natural Gas Pipeline Stage 5 Expansion – Stage 5B Loop 0 Fortescue River Crossing Compliance Audit*, report prepared for DBNGP (WA) Nominees Pty Ltd April 2012.
- Strategen 2013, *DBNGP Stage 5 Looping Expansion Project- 2012 Annual Environmental Compliance Report (Statement No. 735)*, report prepared for DBNGP (WA) Nominees Pty Ltd, February 2013.



# DAMPIER TO BUNBURY NATURAL GAS PIPELINE STAGE 5 EXPANSION

**2014 Annual Compliance Report  
(Ministerial Statement 735)**

**Revision 1  
March 2015**

Rev	Date	Description
0.1	08/03/2015	Initial draft
1.0	11/03/2015	Issued in final for regulatory review

	Title	Name
<b>Author</b>	Consultant	Carolyn Ellis
<b>Revised</b>		
<b>Approved</b>	Senior Advisor Environment and Heritage	Louise Watson



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## 1. INTRODUCTION

This report addresses the status and compliance of the Dampier to Bunbury Natural Gas Pipeline (DBNGP) Stage 5 Expansion with the Conditions in Statement 735. This report has been prepared for the purpose of meeting the requirements of Conditions 4–1 to 4–4 of the Statement, which is to submit annual compliance reports.

### 1.1 Project Background

The DBNGP Stage 5 Looping Expansion project involves construction of eleven pipeline loops adjacent (and connected) to the existing DBNGP. Completion of the expansion will result ultimately in completion of duplication of the pipeline from Dampier to Wagerup. The key characteristics of the proposal are presented in Table 1: . The Stage 5 Looping Expansion project, which continues from Stage 4 (completed in 2006), involves a total length of approximately 1270 km of pipeline.

The proposal for the Stage 5 Looping Expansion was approved for implementation under Part IV of the *Environmental Protection Act 1986* (EP Act) with issue of Statement No. 735 (the Statement) on 13 December 2006. A change to the proposal under s 45C of the EP Act to allow for construction within additional easements granted for the purposes of the DBNGP was approved on 5 August 2011. DBNGP (WA) Nominees Pty Limited, trading as Dampier Bunbury Pipeline (DBP), is the Proponent of the DBNGP Stage 5 Expansion project.

The Statement requires submission of an annual compliance report to address the status and compliance of the DBNGP Stage 5 Looping Expansion project with Statement conditions and key actions in accordance with the annual compliance reporting requirements of conditions 4–1 to 4–4 of the Statement.

Implementation of the Stage 5 project commenced in February 2007, and is being undertaken in three stages. The first stage (Stage 5A) was completed in March 2008. Stage 5B commenced in January 2009 and was effectively completed in early 2010, with the exception of the crossing of the Fortescue River. The Fortescue River Crossing section was undertaken over the period August 2011 to December 2011 inclusive. WestNet Energy (previously Alinta Asset Management) was contracted by DBP to provide project management for Stages 5A and 5B of the DBNGP Looping Expansion Project. DBP undertook project management of the Fortescue River crossing.

### 1.2 The Proposal

Table 1: presents the key characteristics of the proposal as presented in the environmental impact assessment report (Strategen 2006).

DBNGP (WA) Nominees Pty Limited trading as Dampier Bunbury Pipeline (DBP) remains the Proponent of the DBNGP Stage 5 Looping Expansion project and there has been no change in responsibility for proponentcy.

**Table 1: Key characteristics of the Stage 5 Looping Expansion**

Aspect	Proposal			
Location	There will be eleven loops. The first loop starts at about 2 km south of Dampier. The last loop is south of compressor station 10, which starts at about 17 km southeast of Rockingham, and ends at Wagerup West (Main Line Valve 144).			
Proposed action	Construct eleven pipeline looping lengths of 660 mm in diameter, buried adjacent to the existing DBNGP. These pipeline lengths will be looped to the existing DBNGP to increase flow of natural gas.			
Total length of looping	Approximately 1270 km			
Characteristics of each loop	No.	Approx. length	Biogeographical region	Shires
	0	137.2 km	Pilbara	Shire of Roebourne
	1	123.3 km	Pilbara	Shire of Ashburton
	2	104.9 km	Carnarvon, Gascoyne	Shire of Ashburton
	3	113.0 km	Carnarvon, Gascoyne	Shire of Carnarvon
	4	112.9 km	Carnarvon	Shire of Carnarvon, Shire of Upper Gascoyne



	5	119.0 km	Carnarvon, Yalgoo	Shire of Shark Bay
	6	131.0 km	Yalgoo, Geraldton Sandplains	Shire of Northampton, Shire of Chapman Valley, Shire of Mullewa
	7	142.4 km	Geraldton Sandplains	Shire of Mullewa, Shire of Irwin, Shire of Carnamah
	8	96.8 km	Geraldton Sandplains, Swan Coastal Plain	Shire of Coorow, Shire of Dandaragan, Shire of Gingin
	9	127.7 km	Swan Coastal Plain	Shire of Gingin, Shire of Chittering, City of Swan, City of Belmont, Shire of Kalamunda, City of Gosnells, City of Armadale, City of Cockburn, Town of Kwinana
	10	61.5 km	Swan Coastal Plain	Shire of Serpentine–Jarrahdale, Shire of Murray, Shire of Waroona
Proposed tenure	The completed pipeline will be wholly within the existing DBNGP easement, which is gazetted under the Dampier to Bunbury Pipeline Act 1997 and the easement identified as Easement A as shown on the deposited plan numbered DP67493.			
DBNGP easement width	The existing DBNGP corridor is 30 m wide. The area to be cleared and graded in the northern loops (Dampier to Muchea) will be approximately 30 m and south of Muchea, the area cleared will be 20 to 30 m. In environmentally sensitive areas, working widths will be 20 m. Additional easements may vary in width and all clearing will be subject to the conditions of the Ministerial Statement.			
Activities outside the DBNGP easement	Turnarounds, Campsites, Turkey nests*, Laydown areas, Water supply sources, Access roads, Works associated with watercourse and dune crossings			
Temporary area of disturbance within DBNGP easement	Approximately 3175 ha, all to be rehabilitated in consultation with landowners.			
Estimated area of vegetation clearing within DBNGP easement	Approximately 1264 ha, all to be rehabilitated in consultation with landowners.			
Temporary area of disturbance outside the DBNGP easement	Approximately 139 ha, all to be rehabilitated in consultation with landowners.			
Construction duration	The Stage 5 Expansion will be constructed in stages, with Stage 5A commencing in February 2007. The subsequent stages will be constructed to match the increasing demand in fuel gas, and full looping is expected to be substantially completed within five years of approval.			
Construction workforce	Up to 900 people			

\* Turkey nests are artificially created water storages constructed by hollowing out an area of land and using the fill to build up its sides.

### 1.3 Environmental approval to implement the project

DBP was granted environmental approval for the DBNGP Stage 5 Looping Expansion proposal under Part IV of the EP Act. The Minister for Environment approved the proposal on 13 December 2006 with the release of Statement No. 735, which includes environmental conditions under which the proposal is to be implemented. Of the 72 environmental conditions, the majority of conditions relate to the preparation and implementation of management plans addressing areas of potential environmental risk identified during the assessment.

The required management plans were prepared and consolidated as management protocols into a Construction Environmental Management Plan (CEMP) (DBP 2011). The CEMP addressed a number of environmental factors additional to those required under the Statement, in order to meet the requirements of all environmental regulators.

## 2. CURRENT STATUS

The DBNGP Stage 5 Looping Expansion is being constructed in stages, the first of which was Stage 5A, which commenced in February 2007 and was completed in March 2008. Stage 5B was commenced in January 2009 and completed in November 2011.

The statistics related to implementation of the proposal as at 13 December 2013 is summarised in Table 2: . Of the total 1270 km of the Stage 5 proposal, 1011 km have now been constructed.

**Table 2: Progress of DBNGP Stage 5 Looping Expansion Project**

Loop	Stage 5A		Stage 5B	
	Loop Lengths (km)*	Status of Loops	Loop Lengths (km)*	Status of Loops
Loop 0	0.0	No construction in Loop 0 undertaken in Stage 5A	114.9	Complete
Loop 1	74.0	Complete	32.9	Complete
Loop 2	57.8	Complete	31.9	Complete
Loop 3	60.3	Complete	34.6	Complete
Loop 4	61.9	Complete	33.6	Complete
Loop 5	63.7	Complete	34.0	Complete
Loop 6	70.5	Complete	35.8	Complete
Loop 7	60.4	Complete	44.0	Complete
Loop 8	55.3	Complete	21.8	Complete
Loop 9	52.0	Complete	23.4	Complete
Loop 10	15.1	Complete	33.3	Complete
TOTAL	571.1		440.2	

Completion of Stage 5A was considered to be evidence of substantial commencement of the project as required under Condition 3–2, as reported in the 2007 compliance report (DBP 2008).

As outlined in the 2007 compliance report (DBP 2008), the above description satisfies the requirements of condition 4–3(8).

This report has been prepared to demonstrate compliance with the Statement conditions for the period from 14 December 2013 to 13 December 2014 inclusive. The report comprises the findings of an audit of compliance with:

- conditions and procedures contained within the Statement as required by Condition 4–3(2) of the Statement
- key actions contained within management plans or programs as required by Conditions 4–3(4) of the Statement.

As Stage 5A of the proposal was completed in March 2008 and Stage 5B was completed in November 2011, no construction activities were conducted during the reporting period 14 December 2013 to 13 December 2014.

## 3. AUDIT METHODOLOGY

### 3.1 Purpose and scope

The purpose of this document is to enable compliance with Conditions 4–1 to 4–4 of Statement No. 735:

*4–1 The proponent shall submit to the CEO environmental compliance reports annually reporting on the previous twelve-month period, unless required by the CEO to report more frequently.*

*Note: Annual reporting shall continue until such time as the Minister for the Environment determines on advice from the Environmental Protection Authority that the proponent has fulfilled its responsibilities in relation to the conditions within this Statement.*

*4–2 The environmental compliance reports shall address each element of an audit program approved by the CEO and shall be prepared and submitted in a format acceptable to the CEO.*

*4–3 The environmental compliance reports shall:*

- *be endorsed by signature of the proponent's Chairman or a person, approved in writing by the Chairman, delegated to sign on behalf of the proponent's Chairman;*
- *state whether the proponent has complied with each condition and procedure contained in this statement;*
- *provide verifiable evidence of compliance with each condition and procedure contained in this statement;*
- *state whether the proponent has complied with each key action contained in any environmental management plan or program required by this statement;*
- *provide verifiable evidence of conformance with each key action contained in any environmental management plan or program required by this statement;*
- *identify all non-compliances and non-conformances and describe the corrective and preventative actions taken in relation to each non-compliance or non-conformance;*
- *provide an assessment of the effectiveness of all corrective and preventative actions taken; and*
- *describe the state of implementation of the proposal.*

*4–4 The proponent shall make the environmental compliance reports required by condition 4–1 publicly available in a manner approved by the CEO.*

The report has been prepared by DBP for submission to the Chief Executive Officer (CEO) of the Office of the Environmental Protection Authority (OEPA) (formerly, for compliance reporting, the Department of Environment and Conservation [DEC]) to meet the requirements of condition 4–1 of Statement No. 735 for submission of an annual compliance report.

Key Actions of a number of management plans were adopted by DBP for inclusion in annual compliance reports on Stage 5A, which were accepted by the DEC (now OEPA) and have been used for all subsequent compliance reporting. However, the majority of these Key Actions have not been assessed in this audit as no construction has occurred during this audit period.

It is also noted that where a previous Compliance Report has indicated a condition was 'Completed' the evidence associated with the previous audit determination has been accepted without verification.

### 3.2 Methodology

The audit was conducted in February 2015.

The required reporting includes "whether the proponent has complied with each condition and procedure contained within the statement" and "conformed with each key action" (conditions 4–3[2] and 4–3[4] respectively). This section describes how compliance with each condition and conformance with key actions has been audited and reported.

Where evidence has been presented in previous compliance reports, it has not been included with this report to minimise the bulk of reporting. Audit results relating to the Statement conditions and key actions are summarised in Section 4 and detailed audit results presented in Section 5.

Where potential non-compliances have been identified, the corrective and preventative actions taken are described and an assessment of their effectiveness as required by conditions 4–3(6) and 4–3(7) is provided in Section 4.3.

#### *Compliance with Statement No. 735*

An audit of compliance with the conditions and procedures of the Statement was conducted and a compliance status rating was applied in accordance with terminology described in Section 3.3. The full audit is presented in Section 5.1. The identified potential non-compliances are presented in Section 4.1.

#### *Conformance with key actions*

Condition 4–3(4) requires DBP to report on conformance with each key action contained within any management plan or program required by Statement No. 735. The conformance status rating was also applied in accordance with the Section 3.3 terminology.

Environmental management is primarily achieved through implementation of the CEMP, which contains a number of management protocols<sup>1</sup> that directly relate to all the construction requirements of the Statement conditions. These protocols include a range of additional specific management actions reflecting good management. A number of the management actions within the CEMP directly reflect specific prescriptive conditions within the Statement.

Key actions from the CEMP have been identified as being:

- those management actions in the CEMP protocols implemented to manage a condition of the Statement
- those management actions in CEMP protocols that reflect a key intent of a condition of the Statement.

Using the above definition, key actions have been derived and audited. These key actions have been adopted for all compliance reporting to date. The results of the audit of key actions are presented in Section 4.1 and details of identified potential non-conformances are presented in Section 4.2.

#### *Corrective and preventative actions*

Statement conditions 4–3(6) and 4–3(7) require descriptions of corrective and preventative actions taken in relation to each non-compliance or non-conformance, together with assessments of their effectiveness. These are presented in Section 4.3.

#### *Evidence verification*

Evidence to substantiate compliance with conditions contained within Statement No. 735 and key actions contained within the management plans or programs as required by conditions 4–3(3) and 4–3(5) has been sourced from previous compliance reports and other documentation.

### **3.3 Audit terminology**

The 'Status' field of the audit table (refer to Section 5) describes the implementation of the action and compliance with the condition, procedure or commitment. Although the CEO of the OEPA makes the final determination of compliance, it is necessary to update this field each reporting period, as the project progresses. The OEPA (2012a, 2012b, 2012c and 2012d) has prepared updated guidance related to the preparation of compliance audits, including generic expressions that are used to identify the status of each item (Table 3).

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<sup>1</sup> The management protocols in the CEMP include all the environmental management plans required under Statement No. 735 to be prepared for implementation of the proposal.

**Table 3: Action implementation status (Source: adapted from OEPA (2012b))**

Status	Description
Compliant (Conformant)	Implementation of the proposal has been carried out in accordance with requirements of the audit. (Conformant – as above in relation to actions of management plans / programmes)
Completed	A requirement with a finite period of application has been satisfactorily completed.
Not required at this stage	The requirements of the audit element were not triggered during the reporting period.
Potentially non-compliant (Potentially non-conformant)	Possible or likely failure to meet the requirements of the audit element. (Potentially non-conformant – as above in relation to actions of management plans / programmes)
In process	Where an audit element requires a management or monitoring plan be submitted to the OEPA or another government agency for approval, that submission has been made and no further information or changes have been requested by the OEPA or the other government agency and assessment by the OEPA or other government agency for approval is still pending.

## 4. AUDIT RESULTS

This report has been prepared to address the status and compliance of the proposal with the conditions in the Statement in accordance with the annual compliance reporting requirements of conditions 4–1 to 4–4 of the Statement. The report considers the extent of compliance with each of the 72 conditions, and the extent of conformance with the 42 actions within approved management plans required under various conditions and determined to be Key Actions.

### 4.1 Compliance with Statement No 735 conditions

The detailed results of the audit of Statement 735 are presented in Section 5.1 (Table 6). Condition 1-1 of Statement 735 requires implementation of the proposal as documented in Schedule 1 of the Statement. As no construction occurred during this audit period and the previous audit (Strategen 2014) determined that there were no potential non-compliances with Schedule 1, this has not been audited during this audit period.

#### *Rehabilitation*

DBP reported a potential non-compliance with Condition 14 of Statement 735 relating to implementation of the Rehabilitation Management Plan in the previous audit period. DBP noted that rehabilitation monitoring had identified that completion criteria were not being met, citing difficulties with the specificity of criteria intended to apply across a wide range of diverse landscapes.

During this audit period, DBP revised the Rehabilitation Management Plan to the satisfaction of the CEO of the EPA and in consultation with the Department of Parks and Wildlife (DPaW) and Department of Mines and Petroleum (DMP) to improve the relevance of the completion criteria. Rehabilitation monitoring was undertaken during this audit period, assessing the success of rehabilitation based on the updated completion criteria (Mattiske 2014a).

Mattiske (2014a) reported the following results (text amended for minor edits):

**Stage 5A:** *Stage 5A looping expansions generally performed well against minimum standards outlined in the completion criteria. Loops 4, 6 and 10 (all “General Right of Way” [GRoW] sites) only failed to satisfy percentage native plant foliage cover targets. Loop 8 (GRoW) failed to satisfy both native species richness and native plant density targets. Loop 1 (High Conservation Value [HCV] site) failed to satisfy both native plant species density and percentage native plant foliage cover, whilst Loop 5 (HCV) failed to satisfy the native species richness target.*

**Stage 5B:** *Stage 5B looping expansions generally performed well against minimum standards outlined in the completion criteria; however, Loops 1 (HCV), 2 (GRoW), 4 (GRoW) and 5 (HCV) all failed to satisfy percentage native plant foliage cover targets. Loop 8 (GRoW) failed to satisfy native species richness and density, whilst Loop 10 (GRoW) failed to satisfy native species density and percentage native plant density targets. Loop 9 (HCV) rehabilitation performed particularly poorly against specified criteria, the deep unconsolidated sands of the right-of-way in this area have resulted in widespread plant deaths from heat and water stress.*

The Rehabilitation Monitoring Report (Mattiske 2014a) referred to above was followed up with summary reports that included recommendations for future monitoring (Mattiske 2014b and 2014c). Completion criteria were separated as to survey sites located in areas traversed by the DBNGP considered to be general right-of-way (GRoW) and survey sites located in areas traversed by the DBNGP considered to be of High Conservation Value (HCV; Conservation and National Parks, Nature Reserves and State Forest).

The results and recommendations presented in these reports are summarised within **Table 4** and **Table 5** below. All relevant rehabilitation monitoring reports have been provided as Appendix B.

**Table 4: Summary of Stage 5A Rehabilitation Monitoring Results and Recommendations**

Loop	GRoW/HCV	Species Richness	Plant Species Density	Plant Foliage Cover	Weed Foliage Cover	Recommendation
1	GRoW	Pass	Pass	Pass	Pass	Cease monitoring (criteria met)
	HCV	Pass	Fail	Fail	Pass	Further monitoring to establish a positive trajectory
2	GRoW	Pass	Pass	Pass	Pass	Cease monitoring (criteria met)
3	GRoW	Pass	Pass	Pass	Pass	Cease monitoring (criteria met)
4	GRoW	Pass	Pass	Fail	Pass	Cease monitoring (positive trajectory established)^
5	GRoW	Pass	Pass	Pass	Pass	Cease monitoring (criteria met)
	HCV	Fail	Pass	Pass	Pass	Further monitoring to establish a positive trajectory
6	GRoW	Pass	Pass	Fail	Pass	Cease monitoring (positive trajectory established)^
7	GRoW	Pass	Pass	Pass	Pass	Cease monitoring (criteria met)
8	GRoW	Fail	Fail	Pass	Pass	Further monitoring to establish a positive trajectory
	HCV	Pass	Pass	Pass	Pass	Cease monitoring (criteria met)
9	GRoW	Pass	Pass	Pass	Pass	Cease monitoring (criteria met)
10	GRoW	Pass	Pass	Fail	Pass	Cease monitoring (rehabilitation not deemed practicable)*

^ Although percentage native perennial plant cover has not yet been demonstrated to meet the minimum requirement, intervention and/or further monitoring is not proposed given that strong perennial species richness and plant density results indicate a high propensity for this criteria to be met in the future.

\*Survey site is located within active pastoral land and unlikely to ever meet completion criteria.

**Table 5: Summary of Stage 5B Rehabilitation Monitoring Results and Recommendations**

Loop	GRoW/HCV	Species Richness	Plant Species Density	Plant Foliage Cover	Weed Foliage Cover	Recommendation
0	GRoW	Pass	Pass	Pass	Pass	Cease monitoring (criteria met)
1	HCV	Pass	Pass	Fail	Pass	Cease monitoring (positive trajectory established)^
2	GRoW	Pass	Pass	Fail	Pass	Cease monitoring (positive trajectory established)^
3	GRoW	Pass	Pass	Pass	Pass	Cease monitoring (criteria met)
4	GRoW	Pass	Pass	Fail	Pass	Cease monitoring (positive trajectory established)^
5	HCV	Pass	Pass	Fail	Pass	Cease monitoring (positive trajectory established)^
6	GRoW	Pass	Pass	Pass	Pass	Cease monitoring (criteria met)
7	GRoW	Pass	Pass	Pass	Pass	Cease monitoring (criteria met)



Loop	GRoW/HCV	Species Richness	Plant Species Density	Plant Foliage Cover	Weed Foliage Cover	Recommendation
8	GRoW	Fail	Fail	Pass	Pass	Further monitoring to establish a positive trajectory
9	HCV	Fail	Fail	Fail	Pass	Further monitoring to establish a positive trajectory
10	GRoW	Pass	Pass	Fail	Fail	Further monitoring to establish a positive trajectory

^ Although percentage native perennial plant cover has not yet been demonstrated to meet the minimum requirement, intervention and/or further monitoring is not proposed given that strong perennial species richness and plant density results indicate a high propensity for this criteria to be met in the future.

\*Survey site is located within active pastoral land and unlikely to ever meet completion criteria.

**4.2 Conformance with key actions**

Condition 4–3(4) of Statement No. 735 requires the proponent to demonstrate compliance with key actions contained in any environmental management plan or program required by the Statement. As the key actions all relate to construction activities and no such activities were undertaken during the report period, this condition is considered to be Not Applicable (N/A) to this report.

**4.3 Corrective actions**

No corrective actions have been undertaken as there were no non-compliances identified this audit period.



## 5. AUDIT TABLES

### 5.1 Statement No. 735 Summary Audit Tables

Table 6 has been produced to meet condition 4–3(2) of Statement No. 735.

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Table 6: Results of audit of Statement No. 735

Audit code	Subject	Action	How	Objective	Phase/Timing	Criteria	Evidence	Finding	Status
735:M1.1	Implementation	Implement the proposal as documented and described in schedule 1 of Statement 735 subject to the conditions and procedures of this statement.	Establish and implement an auditing compliance reporting system.	To avoid unforeseen or unassessed impacts	Overall	-	R_004_2011 DBNGP Stage 5 looping expansion project AECR_01072012 R_001_DBNGP Stage 5 Looping Expansion Project 2013 Annual Environmental Compliance Report (Statement No. 735)_01032014	Refer to the 2011 Annual Environmental Compliance Report (AECR) (Strategen 2012a) with respect to implementation as described in Schedule 1 of Statement No. 735. No additional construction has occurred since the previous audit period reported in the 2013 AECR (Strategen 2014).	Compliant
735:M2.1	Nominated proponent	Implement the proposal until such time as the Minister for the Environment nominates another person as the proponent.	Establish and implement auditing compliance reporting system.	To ensure responsibility rests with the nominated proponent	Overall	Has Minister nominated another person as proponent?		DBP remains the proponent.	Compliant
735:M2.2	Proponent contact details	Notify the Chief Executive Officer of the DEC (CEO) of any change of the contact name and address for the serving of a notice or other correspondence within 30 days of such change.	Written notification.	To enable the DEC to maintain contact with the proponent	Overall	Has the contact name and address for the serving of a notice or other correspondence for the project changed since approval; if so, was the Chief Executive Officer of the DEC (CEO) informed within 30 days of such change.	Website indicates that contact name and address have not changed since Loop 10 compliance audit (Strategen 2008).	The contact address for DBP has not changed.	Compliant
735:M3.1	Authorisation limit	Substantially commence the proposal before 13 December 2011 to avoid lapse of authorisation.	Written notification.	To keep DEC informed of project status	Construction	Substantial construction commenced	R_003_DBNGP Stage 5 Looping Expansion Project 2007 Annual Environmental Compliance Report_01052008	Condition satisfied as reported in the 2007 annual compliance report (DBP 2008).	Completed
735:M3.2	Commencement	Provide the CEO with written evidence which demonstrates that the proposal has substantially commenced on or before the 13 December 2011.	Written notification.	To keep DEC informed of project status	Construction	Substantial construction commenced	R_003_DBNGP Stage 5 Looping Expansion Project 2007 Annual Environmental Compliance Report_01052008	Condition satisfied as reported in the 2007 annual compliance report (DBP 2008).	Completed
735:M4.1	Compliance reporting - submitting	Submit to the CEO environmental compliance reports reporting on the previous twelve-month period. (Annual Environmental Compliance Report [AECR])	Reports shall address that required by condition 4-2 and condition 4-3.	To provide evidence that the proposal is being implemented and conditions are being met	Overall Annually unless required by the CEO to report more frequently. Annual reporting shall continue until such time as the Minister for the Environment determines on advice from the EPA that the proponent has fulfilled its responsibilities in relation to the conditions within this statement.	2012 AECR covering period 14 Dec 2011 to 13 Dec 2012  2013 AECR covering period 14 Dec 2012 to 13 Dec 2013 (this report)	R_001_DBNGP Stage 5 Looping Expansion Project 2013 Annual Environmental Compliance Report (Statement No. 735)_01032014 C_001_DBP_DBNGP Stage 5 Looping Expansion Project - MS735 Annual Environmental Compliance Report_12032014 C_002_OEPA_Document Received Receipt_13032014	A signed copy of the 2013 AECR (Strategen 2014) dated March 2014 was provided. The report covered the period from 14 Dec 2012 to 13 Dec 2013. This AECR is considered relevant to the auditing period covered by this audit report. This audit report is intended to satisfy the requirements for reporting up until 13 December 2014. Correspondence from DBP and EPA documenting the submission and receipt of this document is also included as evidence.	Compliant
735:M4.2	Audit Program	Prepare an audit program.	Develop an audit table listing implementation conditions and detail how these will be met. Develop criteria and standards that will be used to measure compliance.	To develop a system of monitoring implementation and environmental performance of the proposal	Design	Audit Table prepared to the satisfaction of the CEO, DEC.	R_003_DBNGP Stage 5 Looping Expansion Project 2007 Annual Environmental Compliance Report_01052008	An Audit Program was prepared and signed-off by DEC. Relevant correspondence was sighted in a previous Compliance Audit.	Completed

Audit code	Subject	Action	How	Objective	Phase/Timing	Criteria	Evidence	Finding	Status
735:M4.3	Annual environmental compliance reporting - preparation	<p>The environmental compliance reports shall:</p> <ol style="list-style-type: none"> <li>1. Be endorsed by signature of the proponent's Chairman or a person, approved in writing by the Chairman, delegated to sign on behalf of the proponent's Chairman.</li> <li>2. State whether the proponent has complied with each condition and procedure contained in Statement 735.</li> <li>3. Provide verifiable evidence of compliance with each condition and procedure contained in Statement 735.</li> <li>4. State compliance with each key action contained in any environmental management plan or program required by Statement 735.</li> <li>5. Provide verifiable evidence of conformance with each key action contained in any environmental management plan or program required by Statement 735.</li> <li>6. Identify all non-compliances and non-conformances and describe the corrective and preventative actions taken in relation to each non-compliance or non-conformance.</li> <li>7. Provide an assessment of the effectiveness of all corrective and preventative actions taken.</li> <li>8. Describe the state of implementation of the proposal.</li> </ol>	<p>Reports presented to satisfy this condition with respect to the content.</p>	<p>To provide evidence that the proposal is being implemented and conditions are being met</p>	Overall	2013 AECR covering period 14 Dec 2012 to 13 Dec 2013	R_001_DBNGP Stage 5 Looping Expansion Project 2013 Annual Environmental Compliance Report (Statement No. 735)_01032014	<p>The 2013 AECR was reviewed and determined to be compliant with all clauses of this action. This report is intended to satisfy the requirements for reporting up until 13 December 2014.</p>	Compliant
735:M4.4	Annual environmental compliance reporting – public availability	<p>Make the environmental compliance reports (AECRs) publicly available.</p>	<p>Carry out the following:</p> <ol style="list-style-type: none"> <li>1. Provide copies of the documentation to the DEC library</li> <li>2. Post the document on the proponent's website.</li> </ol>	<p>To ensure that the public is kept informed of the proposal and compliance with conditions</p>	Overall Annually	As approved by the CEO.	<p>R_001_DBNGP Stage 5 Looping Expansion Project 2013 Annual Environmental Compliance Report (Statement No. 735)_01032014  <a href="http://www.dbp.net.au/wp-content/uploads/2015/01/20140312-Stage-5-2013-AER-MS-735.pdf">http://www.dbp.net.au/wp-content/uploads/2015/01/20140312-Stage-5-2013-AER-MS-735.pdf</a>                      C_001_DBP_DBNGP Stage 5 Looping Expansion Project - MS735 Annual Environmental Compliance Report_12032014</p>	<p>The 2013 AECR is available on the DBP website. DBP correspondence dated 12 March 2014 indicates that one hard copy and one CD copy of the 2013 AECR was provided to OEPA.</p>	Compliant

Audit code	Subject	Action	How	Objective	Phase/Timing	Criteria	Evidence	Finding	Status
735:M5.1	Performance review – prepare and submit	Submit a Performance Review report every five years after the start of construction to the EPA, which addresses: 1. The major environmental issues associated with implementing the project; the environmental objectives for those issues; the methodologies used to achieve these; and the key indicators of environmental performance measured against those objectives. 2. The level of progress in the achievement of sound environmental performance, including industry benchmarking, and the use of best available technology where practicable. 3. Significant improvements gained in environmental management, including the use of external peer reviews. 4. Stakeholder and community consultation about environmental performance and the outcomes of that consultation, including a report of any on-going concerns being expressed. 5. The proposed environmental objectives over the next five years, including improvements in technology and management processes.	The Performance Review report will address the required actions.	To provide evidence of environmental performance and to identify aspects that may require environmental improvements	Overall Every 5 years after the start of construction	-	N/A	The 2007 AECR noted commencement of construction in February 2007. DBNGP Stage 5 Looping Expansion Project Five Year Performance Review (2007-2012) (Strategen 2012b) was provided to the OEPA on 3 August 2012 (previous audit period)	Not required at this stage
735:M5.2	Performance review – public availability	Make the Performance Review reports publicly available.	Carry out the following: 1. Provide copies of the documentation to the DEC library 2. Post the document on the proponent's website	To ensure that the public is kept informed of the environmental performance of the proponent	Overall Every 5 years after the start of construction	-	N/A	DBNGP Stage 5 Looping Expansion Project Five Year Performance Review (2007-2012) (Strategen 2012b) was provided to the OEPA on 3 August 2012 (previous audit period).	Not required at this stage
735:M6.1	Compliance audit - submit	Submit a written compliance audit report to the CEO within 30 days of the conclusion of the construction of each loop section.	The report shall address that outlined in condition 6-2, 6-3 and 6-4.	To provide evidence that the conditions are being met within each loop section	Overall Within 30 days of construction completion in each loop section	Completion of each loop section is considered to be at the time of hand over of the Loop from DBP Construction to Operations.	N/A	No construction occurred during the reporting period for this audit.	Not required at this stage
735:M6.2	Compliance report - prepare	The compliance audit report shall outline identified non-compliances against the conditions of Statement 735.	-	To provide evidence that the conditions are being met within each loop section	Overall	-	N/A	No construction occurred within this audit period.	Not required at this stage
735:M6.3	Compliance report - prepare	The report shall be endorsed by signature of the proponent's Chairperson or a person approved in writing by the Chairperson, delegated to sign on behalf of the proponent's Chairperson.	-	To provide evidence that the conditions are being met within each loop section	Overall Within 30 days of construction completion in each loop section	-	N/A	No construction occurred within this audit period.	Not required at this stage
735:M6.4	Compliance report - prepare	The report shall include the date, time and location of the non-compliances, the reason for the non-compliances, actions taken to remedy non-compliances and details of management measures implemented to reduce the risk of future non-compliances	Establish and implement auditing compliance reporting system.	To provide evidence that the conditions are being met within each loop section	Overall Within 30 days of construction completion in each loop section	-	N/A	No construction occurred within this audit period.	Not required at this stage

Audit code	Subject	Action	How	Objective	Phase/Timing	Criteria	Evidence	Finding	Status
735:M7.1	Spring flora surveys	Submit a report to the CEO, which details the results of the spring flora, surveys undertaken in 2006.	This report shall: 1. Record the location of any Declared Rare Flora, Priority Flora and other species of conservation significance. 2. Identify any Threatened Ecological Communities and other environmentally sensitive areas. 3. Describe the habitat in which specially protected or conservation-significant flora species were found, and the extent of the contiguous area of the same habitat in the local area. 4. Specify the degree of impact of the proposed works on specially protected or conservation-significant flora species, its identified contiguous habitat or Threatened Ecological Communities and other environmentally sensitive areas.	To determine if conservation significant species occur within the proposal area and the potential impact on them	Design Prior to the commencement of vegetation clearing	Survey shall be conducted in accordance with Guidance Statement No. 51 (EPA 2004)	R_003_DBNGP Stage 5 Looping Expansion Project 2007 Annual Environmental Compliance Report_01052008	Condition satisfied as reported in the 2007 annual compliance report (DBP 2008).	Completed
735:M7.2	Flora and Vegetation Management Plan - preparation	Prepare a Flora and Vegetation Management Plan, in consultation with the DEC.	The Plan shall: <ul style="list-style-type: none"> <li>Identify the proposed management strategy for the protection of Declared Rare Flora, Priority Flora, Threatened Ecological Communities, other conservation significant species and other environmentally sensitive areas identified.</li> <li>Include a post-activity monitoring plan for specially protected or conservation-significant flora species.</li> </ul>	To minimise and manage disturbance of remnant vegetation or conservation significant flora	Design Prior to the commencement of vegetation clearing	-	R_003_DBNGP Stage 5 Looping Expansion Project 2007 Annual Environmental Compliance Report_01052008	Condition satisfied as reported in the 2007 annual compliance report (DBP 2008).	Completed
735:M7.3	Flora and Vegetation Management Plan - implementation	Implement the Flora and Vegetation Management Plan.	-	To ensure appropriate management actions are taken to minimise any impacts on flora and vegetation	Construction	-	N/A	No construction occurred within this audit period.	Compliant
735:M7.4	Flora and Vegetation Management Plan – public availability	Make the Flora and Vegetation Management Plan publicly available.	The revised requirement for making the Flora and Vegetation Management plan publicly available is as follows: Carry out the following: 1) Provide a hard copy to the DEC library and 2) Make the Management Plan available on the DBNGP website	To ensure the public is kept informed	Overall	-	R_002_DBNGP Stage 5 Expansion Looping Project Construction Environmental Management Plan_17082011 DBP website copy at <a href="http://www.dbp.net.au/wp-content/uploads/2015/01/20110817-E-PLN-015-2-Stage-5B-CEMP.pdf">http://www.dbp.net.au/wp-content/uploads/2015/01/20110817-E-PLN-015-2-Stage-5B-CEMP.pdf</a>	A flora and vegetation management protocol is contained within the approved CEMP (DBP 2011). The CEMP is available on the DBP website. No revision was required during this audit period.	Compliant
735:M8.1	Vegetation disturbance – clear delineation	Clearly delineate on the ground the boundaries of the pipeline easement and the area of disturbance outside the easement.	Implement the Flora and Vegetation Management Plan and Conservation Area Management Plan.	To minimise clearing of vegetation	Design Prior to ground-disturbing activities	As established in the Flora and Vegetation and Conservation Area Management Plans.	N/A	No construction occurred within this audit period.	Not required at this stage

Audit code	Subject	Action	How	Objective	Phase/Timing	Criteria	Evidence	Finding	Status
735:M8.2	Vegetation disturbance – exceedance of boundaries	Do not cause disturbance of vegetation outside the delineated pipeline easement, or the delineated area of disturbance outside the easement, unless authorised by the Minister for the Environment.		To minimise disturbance of remnant vegetation	Construction	-	N/A	No construction occurred within this audit period.	Not required at this stage
735:M8.3	Vegetation disturbance – environmentally sensitive areas	Do not cause or allow disturbance of vegetation outside the 20 metre wide easement located within environmentally sensitive areas, unless authorised by the Minister for the Environment.	Establish and implement auditing compliance reporting system.	To minimise disturbance of vegetation in environmentally sensitive areas	Construction	-	N/A	No construction occurred within this audit period.	Not required at this stage
735:M9.1	Fauna Management Plan - preparation	Prepare a Fauna Management Plan, which includes a Fauna Interaction Protocol, in consultation with the DEC.	The Plan shall include: <ul style="list-style-type: none"> <li>Procedures to minimise and manage impacts on all native fauna, including conservation-significant fauna species identified in Bancroft and Bamford, Fauna Values of Stage 5 of the Dampier to Bunbury Natural Gas Pipeline (DBNGP): A Review (2006).</li> <li>Procedures for the management of water bodies within open trenches to minimise fauna death or injury.</li> </ul>	To minimise direct impacts on native fauna	Design Prior to ground disturbing activities	-	R_003_DBNGP Stage 5 Looping Expansion Project 2007 Annual Environmental Compliance Report_01052008	Condition satisfied as reported in the 2007 annual compliance report (DBP 2008).	Completed
735:M9.2	Fauna – trench clearing	The clearing of open trenches by the fauna-clearing persons is to be completed each day by no later than 4.5 hours after sunrise for Loops 0 to 7 and no later than 5 hours after sunrise for Loops 8 to 10 and at least half an hour prior to the backfilling of pipeline trenches.	-	To minimise death or injury to fauna trapped in the open trenches	Construction	-	N/A	No construction occurred within this audit period.	Not required at this stage
735:M9.3	Fauna – open trench length	Open trench lengths shall not exceed a length capable of being inspected and cleared by fauna clearing persons within the required times as set out in conditions 9-2, 10-2 and 10-4.	-	To minimise death or injury to fauna trapped in the open trenches	Construction	-	N/A	No construction occurred within this audit period.	Not required at this stage
735:M9.4	Fauna – identification of significant habitat trees	Significant habitat trees of sufficient age to form nesting hollows for hollow-nesting birds and mammals shall be marked, prior to construction, in consultation with the DEC.	-	To identify significant habitat trees that can be retained	Construction Prior to construction in each area	A habitat tree was assessed as having habitat value if it had 'a trunk diameter greater than 30 centimetres at breast height, irrespective of availability of lack of any evidence of use by fauna' (CEMP Controlled version 2)	N/A	No construction occurred within this audit period.	Not required at this stage
735:M9.5	Fauna – retention of significant habitat trees	Marked significant habitat trees as referred to in condition 9-4 shall be retained, except in the case where habitat trees occur in the direct line of the proposed pipeline.	-	To retain significant habitat trees for fauna, where possible	Construction	-	N/A	No construction occurred within this audit period.	Not required at this stage
735:M9.6	Fauna – backfill of trench	Monitor weather forecasts through the Bureau of Meteorology and in the event of a weather forecast indicating rainfall sufficient to cause flooding of trenches or drowning of fauna trapped in trenches, in consultation with DEC, backfill all lengths of open trench with a potential to be flooded or cause drowning of fauna.	-	To minimise harm to fauna that could be trapped and drown in open trenches	Construction	-	N/A	No construction occurred within this audit period.	Not required at this stage

Audit code	Subject	Action	How	Objective	Phase/Timing	Criteria	Evidence	Finding	Status
735:M9.7	Fauna – period that trench is open	Where wet trenching is conducted, trenches shall not remain open for periods longer than 48 hours within wetlands and environmentally sensitive areas and 7 days for all other areas.	-	To minimise death or injury to fauna	Construction	-	N/A	No construction occurred within this audit period.	Not required at this stage
735:M9.8	Fauna – qualifications of clearing persons	The fauna clearing persons shall operate in teams of two with at least one fauna clearing person experienced in the following, to the requirements of DEC: <ul style="list-style-type: none"> <li>• Fauna identification, capture and handling (including venomous snakes).</li> <li>• Identification of tracks, scats, burrows and nests of conservation significant species.</li> <li>• Fauna vouchering.</li> <li>• Assessing injured fauna for suitability for release, rehabilitation or euthanasia.</li> <li>• Familiarity with the ecology of the species that may be encountered in order to be able to appropriately translocate fauna encountered.</li> <li>• Performing euthanasia.</li> </ul>	-	To ensure fauna handling is of a high standard	Construction	-	N/A	No construction occurred within this audit period.	Not required at this stage
735:M9.9:1	Fauna – clearing person training	Ensure that basic fauna handling training is provided to fauna clearing persons who do not possess the skills and experience outlined in condition 9-8 prior to the fauna clearing person commencing employment.	-	To ensure fauna handling is of a high standard	Design	In accordance with training developed in consultation with DEC.	N/A	No design phase relevant to the audit period – no construction occurred.	Not required at this stage
735:M9.9:2	Fauna clearing person-training	Ensure that basic fauna handling training is provided to fauna clearing persons who do not possess the skills and experience outlined in condition 9-8 prior to the fauna clearing person commencing employment.	-	To ensure fauna handling is of a high standard	Construction	In accordance with training developed in consultation with DEC.	N/A	No construction occurred within this audit period.	Not required at this stage
735:M9.10:1	Fauna – clearing person training	The fauna handling training as outlined in condition 9-9 shall be developed in consultation with the DEC.	-	To ensure best practice management	Design	-	N/A	No design phase relevant to the audit period – no construction occurred.	Not required at this stage
735:M9.10:2	Fauna – clearing person training	The fauna handling training as outlined in condition 9-9 shall be developed in consultation with the DEC.	-	To ensure best practice management	Construction	-	N/A	No construction occurred within this audit period.	Not required at this stage
735:M9.11	Fauna – period that trench is open	No part of the trench shall remain open for more than 14 days except 'bell holes', unless authorised by the CEO.	Establish record log book as required by condition 9-13.	To minimise death or injury to fauna	Construction	-	N/A	No construction occurred within this audit period.	Not required at this stage
735:M9.12	Fauna – period that trench is open	In environmentally sensitive areas, no part of the trench shall remain open for more than seven days, unless authorised by the CEO.	Establish record log book as required by condition 9-13.	To minimise death or injury to fauna	Construction	-	N/A	No construction occurred within this audit period.	Not required at this stage
735:M9.13	Fauna – period that trench is open	In order to comply with condition 9-11 and condition 9-12, record each day in a log and on the ground the kilometre points of the start point and finish point of the trench opened on each day.	-	To ensure conditions are complied with	Construction	-	N/A	No construction occurred within this audit period.	Not required at this stage
735:M9.14	Fauna Management Plan – review and revise	Review and revise, as required, the Fauna Management Plan required by condition 9-1.	Utilise compliance, performance and auditing reports.	To ensure best practice management	Construction	-	R_002_DBNGP Stage 5 Expansion Looping Project Construction Environmental Management Plan_17082011	No revisions during this audit period.	Not required at this stage



Audit code	Subject	Action	How	Objective	Phase/Timing	Criteria	Evidence	Finding	Status
735:M9.15	Fauna Management Plan - implementation	Implement the Fauna Management Plan and subsequent revisions.	Incorporate in construction planning	To ensure appropriate management actions are taken to minimise any impacts on fauna	Construction	-	N/A	No construction occurred within this audit period.	Compliant
735:M9.16	Fauna Management Plan – public availability	Make the Fauna Management Plan and subsequent revisions publicly available.	The revised requirement for making the Fauna Management plan publicly available is as follows: Carry out the following: 1) Provide a hard copy to the DEC library and 2) Make the Management Plan available on the DBNGP website.	To ensure the public is kept informed	Overall	-	R_002_DBNGP Stage 5 Expansion Looping Project Construction Environmental Management Plan_17082011 DBP website copy at <a href="http://www.dbp.net.au/wp-content/uploads/2015/01/20110817-E-PLN-015-2-Stage-5B-CEMP.pdf">http://www.dbp.net.au/wp-content/uploads/2015/01/20110817-E-PLN-015-2-Stage-5B-CEMP.pdf</a>	Within the approved CEMP is a section relating to 'Fauna Impact Protocol'. This information is publicly available on the DBP website. No revisions occurred during this audit period.	Compliant
735:M9.17	Fauna management – performance monitoring reports	Produce weekly performance monitoring reports on fauna management for each loop.	The Reports shall include, but not necessarily be limited to, details of all fauna inspections, the number of fauna cleared from trenches, fauna interactions, fauna mortalities and all actions taken. These reports are to be provided to the CEO each week.	To provide evidence of the effectiveness of fauna management measures	Construction	-	N/A	No construction occurred within this audit period.	Not required at this stage
735:M9.18:1	Fauna management – performance monitoring reports	Produce monthly performance monitoring reports on fauna management for each Loop.	The Reports shall include, but not necessarily be limited to, details of all fauna inspections, the number of fauna cleared from trenches, fauna interactions, fauna mortalities and all actions taken.	To provide evidence of environmental performance in relation to fauna management	Construction	-	N/A	No construction occurred within this audit period.	Not required at this stage
735:M9.18:2	Fauna management – performance monitoring reports	Make the monthly performance monitoring reports publicly available on completion of each loop.	The revised requirement for making monthly performance monitoring reports publicly available is as follows, reports to be provided to: 1) The DEC (Compliance Monitoring Section) 2) The DEC library 3) Made available on the website of the DBNGP	To ensure the public is kept informed	Overall	-	N/A	No construction occurred within this audit period.	Not required at this stage
735:M10.1	Timing of construction works – Loops 0 to 2	Avoid open trench work on Loops 0 to 2 from November to March inclusive unless otherwise allowed for in condition 10-2.	Establish and implement auditing compliance reporting system.	To avoid working in the wet season	Construction	-	N/A	No construction occurred within this audit period.	Not required at this stage
735:M10.2	Timing of construction works – Loops 0 to 2	In the event that open trench work on Loops 0 to 2 is conducted during November to March the following shall be undertaken: • Provide a report to the DEC outlining the reasons why open trench work was necessary during the period November to March inclusive. • Complete fauna clearing as described in condition 9-2 by 3 hours after sunrise or when daily temperatures are forecast by the Bureau of Meteorology to exceed 35°C fauna clearing shall be completed by 2.5 hours after sunrise.	Establish and implement auditing compliance reporting system.	To avoid working in the wet season	Construction	-	N/A	No construction occurred within this audit period.	Not required at this stage
735:M10.3	Timing of construction works – Loops 8 to 10	Avoid open trench work on Loops 8 to 10 from June to December (inclusive) unless otherwise allowed for in condition 10-4.	Establish and implement auditing compliance reporting system.	To avoid working in the wet season	Construction	-	N/A	No construction occurred within this audit period.	Not required at this stage

Audit code	Subject	Action	How	Objective	Phase/Timing	Criteria	Evidence	Finding	Status
735:M10.4	Timing of construction works – Loops 8 to 10	Where open trench work is undertaken during June to December inclusive the following shall be undertaken: <ul style="list-style-type: none"> <li>• Provide a report to the DEC outlining the reasons why open trench work was necessary during the period June to December inclusive.</li> <li>• Implement the Wetlands Crossing Management Plan (condition 12-1) and the Dieback and Weed Management Plan (condition 13-2).</li> </ul>	Establish and implement auditing compliance reporting system.	To avoid working in the wet season	Construction	-	N/A	No construction occurred within this audit period.	Not required at this stage
735:M11.1:1	Watercourses – vegetation delineation	Delineate the riparian vegetation along watercourses which will be traversed.	-	To minimise and manage disturbance of riparian vegetation	Design	-	N/A	No design phase relevant to the audit period – no construction occurred.	Not required at this stage
735:M11.1:2	Watercourses-vegetation delineation.	Delineate the riparian vegetation along watercourses which will be traversed	-	To minimise and manage disturbance of riparian vegetation	Construction	-	N/A	No construction occurred within this audit period.	Not required at this stage
735:M11.2	Watercourse Crossing Management Plan -	Prepare in consultation with the DEC, a Watercourse Crossing Management Plan to minimise disturbance of riparian vegetation.	The Plan shall address: <ul style="list-style-type: none"> <li>• Objectives and key performance criteria.</li> <li>• Management actions (e.g. general requirements, surveying, trenching and excavation, drilling).</li> <li>• Monitoring and recording.</li> <li>• Contingency actions.</li> </ul>	To minimise and manage disturbance of watercourses	Design Prior to ground-disturbing activities	-	R_003_DBNGP Stage 5 Looping Expansion Project 2007 Annual Environmental Compliance Report_01052008	Condition satisfied as reported in the 2007 annual compliance report (DBP 2008).	Completed
735:M11.3	Watercourse Crossing Management Plan - implementation	Implement the Watercourse Crossing Management Plan.	Incorporate into construction planning	To ensure appropriate management actions are taken to minimise any impacts on watercourses	Construction	-	N/A	No construction occurred within this audit period.	Compliant
735:M11.4	Watercourse Crossing Management Plan – public availability	Make the Watercourse Crossing Management Plan publicly available	The revised requirement for making the Watercourse Crossing Management Plan publicly available is as follows: Carry out the following: 1) Provide a hard copy to the DEC library and 2) Make the Management Plan available on the DBNGP website.	To ensure the public is kept informed	Overall	-	R_002_DBNGP Stage 5 Expansion Looping Project Construction Environmental Management Plan_17082011 DBP website copy at <a href="http://www.dbp.net.au/wp-content/uploads/2015/01/20110817-E-PLN-015-2-Stage-5B-CEMP.pdf">http://www.dbp.net.au/wp-content/uploads/2015/01/20110817-E-PLN-015-2-Stage-5B-CEMP.pdf</a>	Within the approved CEMP is a section relating to 'Watercourse Crossing Protocol'. This information is publicly available on the DBP website. No revisions occurred during this audit period.	Compliant
735:M12.1	Wetland crossing Management Plan - prepare	Prepare, in consultation with the DEC, a Wetland Crossing Management Plan.	As described in condition 12-2.	To minimise and manage disturbance to wetlands and wetland buffer areas	Design	Criteria established by condition 12-1	R_003_DBNGP Stage 5 Looping Expansion Project 2007 Annual Environmental Compliance Report_01052008	Condition satisfied as reported in the 2007 annual compliance report (DBP 2008).	Completed
735:M12.2	Wetland crossing Management Plan - prepare	The Wetland Crossing Management Plan shall set out procedures to protect any wetland crossed by the trench in the event that trenching is proposed where there is standing water in the wetland.	Establish and implement auditing compliance reporting system.	To minimise and manage disturbance to wetlands and wetland buffer areas	Design	Criteria established by condition 12-1	R_003_DBNGP Stage 5 Looping Expansion Project 2007 Annual Environmental Compliance Report_01052008	Condition satisfied as reported in the 2007 annual compliance report (DBP 2008).	Completed
735:M12.3	Wetland Crossing Management Plan - implementation	Implement the Wetland Crossing Management Plan.	-	To ensure appropriate management actions are taken to minimise any impacts on wetlands	Construction	-	N/A	No construction occurred within this audit period.	Compliant

Audit code	Subject	Action	How	Objective	Phase/Timing	Criteria	Evidence	Finding	Status
735:M12.4	Wetland Crossing Management Plan – public availability	Make the Wetland Crossing Management Plan publicly available.	The revised requirement for making the Wetland Crossing Management Plan publicly available is as follows: Carry out the following: 1) Provide a hard copy to the DEC library and 2) Make the Management Plan available on the DBNGP website.	To ensure the public is kept informed	Overall	-	R_002_DBNGP Stage 5 Expansion Looping Project Construction Environmental Management Plan_17082011 DBP website copy at <a href="http://www.dbp.net.au/wp-content/uploads/2015/01/20110817-E-PLN-015-2-Stage-5B-CEMP.pdf">http://www.dbp.net.au/wp-content/uploads/2015/01/20110817-E-PLN-015-2-Stage-5B-CEMP.pdf</a>	Within the approved CEMP is a section relating to 'Wetland Management Protocol'. This information is publicly available on the DBP website. No revisions occurred during this audit period.	Compliant
735:M13.1	Dieback – delineate risk areas	Delineate surveyed occurrences of high risk, medium risk and medium to low risk dieback areas.	Establish and implement auditing compliance reporting system.	To minimise and manage the risk of introducing or spreading dieback	Design	-	N/A	No design phase relevant to the audit period – no construction occurred	Not required at this stage
735:M13.2	Dieback and Weed Management Plan - prepare	Prepare a Dieback and Weed Management Plan.	The plan shall address: Objectives and key performance criteria. Management actions (e.g. general requirements, hygiene management procedures). Monitoring and recording. Contingency actions.	To minimise the risk of introducing or spreading weeds and/or diseases	Design Prior to ground disturbing activities	-	R_003_DBNGP Stage 5 Looping Expansion Project 2007 Annual Environmental Compliance Report_01052008	Condition satisfied as reported in the 2007 annual compliance report (DBP 2008).	Completed
735:M13.3	Dieback and Weed Management Plan – review and revise	In consultation with the DEC, review and revise, as required, the Dieback and Weed Management Plan.	-	To ensure best management practice	Construction	-	R_002_DBNGP Stage 5 Expansion Looping Project Construction Environmental Management Plan_17082011	No revision required during this audit period.	Not required at this stage
735:M13.4	Dieback and Weed Management Plan - implementation	Implement the Weed and Dieback Management Plan and any subsequent revisions of the Weed and Dieback Management Plan.	Incorporate in construction planning	To ensure appropriate management actions are taken to minimise impacts from weed and dieback introduction and/or spread	Construction	-	N/A	No construction occurred within this audit period.	Compliant
735:M13.5	Dieback and Weed Management Plan – public availability	Make the Weed and Dieback Management Plan and any subsequent revisions required by condition 13-3 publicly available.	The revised requirement for making the Weed and Dieback Management Plan publicly available is as follows: Carry out the following: 1) Provide a hard copy to the DEC library and 2) Make the Management Plan available on the DBNGP website.	To ensure the public is kept informed	Overall	-	R_002_DBNGP Stage 5 Expansion Looping Project Construction Environmental Management Plan_17082011 DBP website copy at <a href="http://www.dbp.net.au/wp-content/uploads/2015/01/20110817-E-PLN-015-2-Stage-5B-CEMP.pdf">http://www.dbp.net.au/wp-content/uploads/2015/01/20110817-E-PLN-015-2-Stage-5B-CEMP.pdf</a>	Within the approved CEMP is a section relating to 'Weed, Pest and Dieback Management Protocol'. This information is publicly available on the DBP website. No revisions occurred during this audit period.	Compliant
735:M14.1	Rehabilitation Management Plan - prepare	Prepare a Rehabilitation Management Plan.	The Plan shall address: 1. Weed management protocols. 2. Dieback management protocols. 3. Soil management protocols. 4. Rehabilitation completion criteria. 5. The need for propagule augmentation to achieve completion criteria	To re-establish vegetation and associated habitat areas, controlling sediment and erosion.	Design Prior to ground-disturbing activities	Criteria established by condition 14-1	R_003_DBNGP Stage 5 Looping Expansion Project 2007 Annual Environmental Compliance Report_01052008	Condition satisfied as reported in the 2007 annual compliance report (DBP 2008).	Completed
735:M14.2	Rehabilitation – management period	Manage rehabilitation of the pipeline route until the rehabilitation completion criteria, referred to in condition 14-1, have been achieved (Note: obligations under DoIR legislation mean the vehicular access track must be maintained and thus certain completion criteria may not be achievable within the access track).		To ensure effective rehabilitation	Overall	Criteria established by condition 14-1	C_003_OEPA_DBNGP Stage 5 Looping Expansion Project - MS735 Annual Environmental Report_14052014 C_004_DBP_DBNGP Stage 5 Looping Expansion Project - Rehabilitation Management Plan_16072014 C_005_DPAW_RE: Summary of the existing and proposed rehabilitation criteria - DBNGP Looping Expansions_01102014	DBP reported a potential non-compliance with Condition 14 of Statement 735 relating to implementation of the Rehabilitation Management Plan in the previous audit period. DBP noted that rehabilitation monitoring had identified that completion criteria were not being met, citing difficulties with the specificity of criteria intended to apply across a wide range of diverse landscapes. During this audit period, DBP revised the Rehabilitation Management Plan to the satisfaction of the CEO of the EPA and in consultation with the Department of Parks and Wildlife (DPaW) and Department of Mines and Petroleum (DMP) to improve the relevance of the completion criteria.	Compliant

Audit code	Subject	Action	How	Objective	Phase/Timing	Criteria	Evidence	Finding	Status
							<p>C_006_DBNGP Stage 5 Looping Expansion Project - Rehabilitation Management Plan_18122014</p> <p>C_007_OEPA_DBNGP Stage 5 Looping Expansion Project - Rehabilitation Management Plan - Ministerial Statement 735_04022015</p> <p>R_006_DBNGP Stage 5 Expansion Rehabilitation Management Plan Rev 5_21012015</p> <p>R_007_Mattiske_DBNGP Flora and Vegetation Assessment of Stage 4, 5A and 5B Control and Rehabilitation Areas_01102014</p> <p>R_008_Mattiske_DBNGP Summary of Stage 5A Rehabilitation Success – Towards Closure_01102014</p> <p>R_009_Mattiske_DBNGP Summary of Stage 5B Rehabilitation Success – Towards Closure_01102014</p>	<p>Rehabilitation monitoring was undertaken during this audit period, assessing the success of rehabilitation based on the updated completion criteria (Mattiske 2014a). Mattiske (2014a) reported the following results (text amended for minor edits):</p> <p><b>Stage 5A:</b> Stage 5A looping expansions generally performed well against minimum standards outlined in the completion criteria. Loops 4, 6 and 10 (all "General Right of Way" [GRoW] sites) only failed to satisfy percentage native plant foliage cover targets. Loop 8 (GRoW) failed to satisfy both native species richness and native plant density targets. Loop 1 (High Conservation Value [HCV] site) failed to satisfy both native plant species density and percentage native plant foliage cover, whilst Loop 5 (HCV) failed to satisfy the native species richness target.</p> <p><b>Stage 5B:</b> Stage 5B looping expansions generally performed well against minimum standards outlined in the completion criteria; however, Loops 1 (HCV), 2 (GRoW), 4 (GRoW) and 5 (HCV) all failed to satisfy percentage native plant foliage cover targets. Loop 8 (GRoW) failed to satisfy native species richness and density, whilst Loop 10 (GRoW) failed to satisfy native species density and percentage native plant density targets. Loop 9 (HCV) rehabilitation performed particularly poorly against specified criteria, the deep unconsolidated sands of the right-of-way in this area have resulted in widespread plant deaths from heat and water stress.</p> <p>The Rehabilitation Monitoring Report (Mattiske 2014a) referred to above was followed up with summary reports that included recommendations for future monitoring (Mattiske 2014b and 2014c). Completion criteria were separated as to survey sites located in areas traversed by the DBNGP considered to be general right-of-way (GRoW) and survey sites located in areas traversed by the DBNGP considered to be of High Conservation Value (HCV; Conservation and National Parks, Nature Reserves and State Forest).</p> <p>The results and recommendations presented in these reports are summarised within Table 4 and Table 5 in Section 0.</p>	
735:M14.3:1	Rehabilitation Management Plan – review and revision	In consultation with the DEC, review and revise, as required, the Rehabilitation Management Plan.	-	To ensure best practice	Construction	-	N/A	No construction occurred during the audit period.	Not required at this stage
735:M14.3:2	Rehabilitation Management Plan – review and revision	In consultation with the DEC, review and revise, as required, the Rehabilitation Management Plan.	-	To ensure best practice	Operation	-	<p>C_005_DPAW_RE: Summary of the existing and proposed rehabilitation criteria - DBNGP Looping Expansions_01102014</p> <p>C_006_DBNGP Stage 5 Looping Expansion Project - Rehabilitation Management Plan_18122014</p> <p>C_007_OEPA_DBNGP Stage 5 Looping Expansion Project - Rehabilitation Management Plan - Ministerial Statement 735_04022015</p> <p>R_006_DBNGP Stage 5 Expansion Rehabilitation Management Plan Rev 5_21012015</p>	<p>Revision of Rehabilitation Management Plan occurred during this audit period in consultation with DPAW (formerly DEC). Items revised included the completion criteria.</p> <p>The revised Rehabilitation Management Plan was endorsed by DPAW in October 2014 and subsequently approved by OEPA in February 2015.</p>	Compliant
735:M14.4:1	Rehabilitation Management Plan - implementation	Implement the Rehabilitation Management Plan and subsequent revisions until such time as the completion criteria are met.	-	To ensure rehabilitation planning and activities are implemented	Construction	-	N/A	No construction occurred during this audit period.	Not required at this stage.
735:M14.4:2	Rehabilitation Management Plan - implementation	Implement the Rehabilitation Management Plan and subsequent revisions until such time as the completion criteria are met.	-	To ensure rehabilitation planning and activities are implemented	Operation	-	Refer to item 735:M14.2	Refer to item 735:M14.2.	Compliant

Audit code	Subject	Action	How	Objective	Phase/Timing	Criteria	Evidence	Finding	Status
735:M14.5	Rehabilitation Management Plan – public availability	Make the Rehabilitation Management Plan and subsequent revisions publicly available.	The revised requirement for making the Rehabilitation Management Plan publicly available is as follows: Carry out the following: 1) Provide a hard copy to the DEC library and 2) Make the Management Plan available on the DBNGP website.	To ensure the public is kept informed	Overall	-	C_007_OEPA_DBNGP Stage 5 Looping Expansion Project - Rehabilitation Management Plan - Ministerial Statement 735_04022015 DBP website copy at <a href="http://www.dbp.net.au/wp-content/uploads/2015/01/20150121-E-PLN-016-5-Stage-5-Rehabilitation-MP.pdf">http://www.dbp.net.au/wp-content/uploads/2015/01/20150121-E-PLN-016-5-Stage-5-Rehabilitation-MP.pdf</a>	A revised Rehabilitation Management Plan was prepared during this audit period. This plan is publicly available on the DBP website.	Compliant
735:M15.1	Acid Sulphate Soils - investigations	Prior to the commencement of soil disturbance or dewatering in an area, undertake field investigations within that area to clearly delineate areas of high, high to medium, medium to low risk acid sulphate soils.	-	To identify those areas where acid sulphate soil management is required	Design Prior to the commencement of soil disturbance or dewatering in an area	DoE Acid Sulfate Soils Guideline Series (DoE 2006)	N/A	No design phase relevant to the audit period - no construction occurred.	Not required at this stage
735:M15.2	Acid Sulphate Soils - Management	Ensure that within high, high to medium and medium to low acid sulphate soil risk areas, trenches will be excavated in lengths that permit trenches to be opened and closed within a 48 hour period.	Establish and implement auditing compliance reporting system.	To minimise adverse affects caused by acid sulphate soil disturbance	Construction	-	N/A	No construction occurred within this audit period.	Not required at this stage
735:M15.3	Acid Sulphate Soils and Dewatering Management Plan - prepare	Prepare an Acid Sulphate Soils and Dewatering Management Plan, in consultation with the DEC to the requirements of the Minister for the Environment on advice of the EPA.	Plan to demonstrate that all practical measures have been included to manage the potential impacts of acid sulphate soils and dewatering activities.	To ensure that there are no adverse impacts to sensitive receptors as a result of acid sulphate soil disturbance and dewatering	Design Prior to trenching and excavation activities	Criteria established by M15-3	R_003_DBNGP Stage 5 Looping Expansion Project 2007 Annual Environmental Compliance Report_01052008	Condition satisfied as reported in the 2007 annual compliance report (DBP 2008).	Completed
735:M15.4	Acid Sulphate Soils and Dewatering Management Plan – review and revise	Review and revise, as required, the Acid Sulphate Soils and Dewatering Management Plan.	-	To ensure best practice management	Construction	-	R_002_DBNGP Stage 5 Expansion Looping Project Construction Environmental Management Plan_17082011	No revision required during this audit period.	Not required at this stage.
735:M15.5	Acid Sulphate Soils and Dewatering Management Plan - implementation	Implement and comply with the Acid Sulphate Soils and Dewatering Management Plan and subsequent revisions.	Incorporate in construction planning.	To ensure appropriate management actions are taken to minimise impacts from acid sulphate soil disturbance and dewatering	Construction	-	N/A	No construction occurred within this audit period.	Compliant
735:M15.6	Acid Sulphate Soils and Dewatering Management Plan – public availability	Make the Acid Sulphate Soils and Dewatering Management Plan and subsequent revisions publicly available.	The revised requirement for making the Acid Sulphate Soils and Dewatering Management Plan publicly available is as follows: Carry out the following: 1) Provide a hard copy to the DEC library and 2) Make the Management Plan available on the DBNGP website.	To ensure the public is kept informed	Overall	-	R_002_DBNGP Stage 5 Expansion Looping Project Construction Environmental Management Plan_17082011 DBP website copy at <a href="http://www.dbp.net.au/wp-content/uploads/2015/01/20110817-E-PLN-015-2-Stage-5B-CEMP.pdf">http://www.dbp.net.au/wp-content/uploads/2015/01/20110817-E-PLN-015-2-Stage-5B-CEMP.pdf</a>	Within the approved CEMP is a section relating to 'Acid Sulphate Soil Management Protocol'. This information is publicly available on the DBNGP website. No revisions occurred during this audit period.	Compliant

Audit code	Subject	Action	How	Objective	Phase/Timing	Criteria	Evidence	Finding	Status
735:M16.1	Preliminary Decommissioning Plan - prepare	Prepare a Preliminary Decommissioning Plan for approval by the CEO.	The Plan shall describe the framework and strategies to ensure that the site is left in an environmentally acceptable condition, and provides: <ul style="list-style-type: none"> <li>The rationale for the siting and design of plant and infrastructure as relevant to environmental protection.</li> <li>A conceptual description of the final landform at closure.</li> <li>A plan for a care and maintenance phase.</li> <li>Initial plans for the management of noxious materials.</li> </ul>	To appropriately decommission the DBNGP in accordance with regulatory requirements and accepted best practice environmental management	Design Prior to undertaking ground-disturbing activities	Criteria established by M16-1	R_003_DBNGP Stage 5 Looping Expansion Project 2007 Annual Environmental Compliance Report_01052008	Condition satisfied as reported in the 2007 annual compliance report (DBP 2008).	Completed
735:M16.2	Final Decommissioning Plan – prepare and submit	At least 12 months prior to the anticipated date of closure, or at a time approved by the EPA, submit a Final Decommissioning Plan designed to ensure that the site is left in an environmentally acceptable condition prepared on advice of the EPA, for approval of the CEO.	The Final Decommissioning Plan shall set out procedures and measures for: <ul style="list-style-type: none"> <li>Removal or, if appropriate, retention of plant and infrastructure agreed in consultation with relevant stakeholders.</li> <li>Rehabilitation of all disturbed areas to a standard suitable for the agreed new land use(s).</li> <li>Identification of contaminated area, including provision of evidence of notification and proposed management measures to relevant statutory authorities.</li> </ul>	To ensure that the site is left in an environmentally acceptable condition	Overall At least 12 months prior to anticipated closure	Criteria established by condition 16-2	C_008_DBP_Asset Life_03082012	Not yet relevant (not within 12 months of anticipated closure).	Not required at this stage
735:M16.3	Final Decommissioning Plan - implementation	Implement the Final Decommissioning Plan until such time as the Minister for the Environment determines, on advice of the CEO, that decommissioning responsibilities have been fulfilled.	-	To ensure that the Final Decommissioning Plan is implemented	Closure	-	C_008_DBP_Asset Life_03082012	Not yet relevant (closure phase).	Not required at this stage
735:M16.4	Final Decommissioning Plan – public availability	Make the Final Decommissioning Plan publicly available.	The revised requirement for making the Final Decommissioning Plan publicly available is as follows: Carry out the following: 1) Provide a hard copy to the DEC library and 2) Make the Management Plan available on the DBNGP website.	To ensure the public is kept informed	Overall	-	C_008_DBP_Asset Life_03082012	Not yet relevant.	Not required at this stage

## 6. STATEMENT REGARDING COMPLIANCE

A Statement of Compliance is included as Appendix A.

## 7. REFERENCES

DBP 2008, DBNGP Stage 5 Looping Expansion Project - DBPL00-506-0504-01 2007 Annual Environmental Compliance Report (Ministerial Statement No. 735), report prepared for DBNGP (WA) Nominees Pty Ltd by Strategen, Leederville, Western Australia.

DBP 2011, DBNGP Stage 5 Expansion Looping Project DBPL-00-501-0722-01 Construction Environmental Management Plan – Controlled Version 2, report prepared for DBNGP (WA) Nominees Pty Ltd, August 2011.

DBP 2015, Dampier to Bunbury Natural Gas Pipeline Stage 5 Expansion Rehabilitation Management Plan Revision 5, January 2015.

Mattiske Consulting Pty Ltd (Mattiske) 2014a, Dampier to Bunbury Natural Gas Pipeline (DBNGP) Flora and Vegetation Assessment of Stage 4, 5A and 5B Control and Rehabilitation Areas, report prepared DBNGP (WA) Nominees Pty Ltd, October 2014.

Mattiske Consulting Pty Ltd (Mattiske) 2014b, Dampier to Bunbury Natural Gas Pipeline (DBNGP) Summary of Stage 5A Rehabilitation Success – Towards Closure, report prepared DBNGP (WA) Nominees Pty Ltd, October 2014.

Mattiske Consulting Pty Ltd (Mattiske) 2014c, Dampier to Bunbury Natural Gas Pipeline (DBNGP) Summary of Stage 5B Rehabilitation Success – Towards Closure, report prepared DBNGP (WA) Nominees Pty Ltd, October 2014.

Office of Environmental Protection Authority (OEPA) 2012a, Post Assessment Guideline for Preparing a Compliance Assessment Plan, OEPA, Perth, August 2012.

Office of Environmental Protection Authority (OEPA) 2012b, Post Assessment Guideline for Preparing an Audit Table, OEPA, Perth, August 2012.

Office of Environmental Protection Authority (OEPA) 2012c, Post Assessment Guideline for Making Information Publically Available, OEPA, Perth, August 2012.

Office of Environmental Protection Authority (OEPA) 2012d, Post Assessment Guideline for Preparing a Compliance Assessment Report, OEPA, Perth, August 2012.

Strategen 2006, Dampier-Bunbury Natural Gas Pipeline Stage 5 Expansion – Environmental Impact Assessment, report prepared for Alinta Asset Management by Strategie, Leederville, Western Australia.

Strategen 2008, Dampier-Bunbury Natural Gas Pipeline Stage 5 Expansion – Loop 10 Compliance Audit, report prepared for Westnet Energy, December 2008

Strategen 2012a, DBNGP Stage 5 Looping Expansion Project- 2011 Annual Environmental Compliance Report (Statement No. 735), report prepared for DBNGP (WA) Nominees Pty Ltd, July 2012

Strategen 2012b, Dampier Bunbury Natural Gas Pipeline Stage 5 Looping Expansion Project Five-year Performance Review (2007-2012), report prepared for DBNGP (WA) Nominees Pty Ltd, August 2012.

Strategen 2014, DBNGP Stage 5 Looping Expansion Project- 2013 Annual Environmental Compliance Report (Statement No. 735), report prepared for DBNGP (WA) Nominees Pty Ltd, March 2014.



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# APPENDIX A: STATEMENT OF COMPLIANCE



**Statement of Compliance**

**1 Proposal and Proponent Details**

Proposal Title	<i>Dampier to Bunbury Natural Gas Pipeline Stage 5 Expansion</i>
Statement Number	735
Proponent Name	<i>DBNGP (WA) Nominees Pty Ltd trading as Dampier Bunbury Pipeline</i>
Proponent's Australian Company Number (where relevant)	

**2 Statement of Compliance Details**

Reporting Period	14/12/13 to 13/12/14
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Implementation phase(s) during reporting period (please tick ✓ relevant phase(s))							
Pre-construction	<input type="checkbox"/>	Construction	<input type="checkbox"/>	Operation	<input checked="" type="checkbox"/>	Decommissioning	<input type="checkbox"/>

Audit Table for Statement addressed in this Statement of Compliance is provided at Attachment:	2
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An audit table for the Statement addressed in this Statement of Compliance must be provided as Attachment 2 to this Statement of Compliance. The audit table must be prepared and maintained in accordance with the Office of the Environmental Protection Authority's (OEPA) *Post Assessment Guideline for Preparing an Audit Table*, as amended from time to time. The 'Status Column' of the audit table must accurately describe the compliance status of each implementation condition and/or procedure for the reporting period of this Statement of Compliance. The terms that may be used by the proponent in the 'Status Column' of the audit table are limited to the Compliance Status Terms listed and defined in Table 1 of Attachment 1.

Were all implementation conditions and/or procedures of the Statement complied with within the reporting period? (please tick ✓ the appropriate box)			
No (please proceed to Section 3)	<input type="checkbox"/>	Yes (please proceed to Section 4)	<input checked="" type="checkbox"/>

Each page (including Attachment 2) must be initialed by the person who signs Section 4 of this Statement of Compliance. INITIALS:



**3 Details of Non-compliance(s) and/or Potential Non-compliance(s)**

The information required Section 3 must be provided for each non-compliance or potential non-compliance identified during the reporting period covered by this Statement of Compliance.

**Non-compliance/potential non-compliance 3-1**

Which implementation condition or procedure was non-compliant or potentially non-compliant?	
Was the implementation condition or procedure non-compliant or potentially non-compliant?	
On what date(s) did the non-compliance or potential non-compliance occur (if applicable)?	
Was this non-compliance or potential non-compliance reported to the General Manager, OEPA?	
<input type="checkbox"/> Yes <input type="checkbox"/> Reported to OEPA verbally Date _____ <input type="checkbox"/> Reported to OEPA in writing Date _____	<input type="checkbox"/> No
What are the details of the non-compliance or potential non-compliance and where relevant, the extent of and impacts associated with the non-compliance or potential non-compliance?	
What is the precise location where the non-compliance or potential non-compliance occurred (if applicable)? (please provide this information as a map or GIS co-ordinates)	
What was the cause(s) of the non-compliance or potential non-compliance?	
What remedial and/or corrective action(s), if any, were taken or are proposed to be taken in response to the non-compliance or potential non-compliance?	
What measures, if any, were in place to prevent the non-compliance or potential non-compliance before it occurred? What, if any, amendments have been made to those measures to prevent re-occurrence?	
Please provide information/documentation collected and recorded in relation to this implementation condition or procedure: <ul style="list-style-type: none"> <li>• in the reporting period addressed in this Statement of Compliance; and</li> <li>• as outlined in the approved Compliance Assessment Plan for the Statement addressed in this Statement of Compliance.</li> </ul> (the above information may be provided as an attachment to this Statement of Compliance)	

**For additional non-compliance or potential non-compliance, please duplicate this page as required.**

Each page (including Attachment 2) must be initialed by the person who signs Section 4 of this Statement of Compliance. INITIALS:



**4 Proponent Declaration**

I, STUART RICHARD JOHNSTON, CEO, (full name and position title) declare that I am authorised on behalf of DBNGP (being the person responsible for the proposal) to submit this form and that the information contained in this form is true and not misleading.

Signature: Date: 13/3/15

Please note that:

- it is an offence under section 112 of the *Environmental Protection Act 1986* for a person to give or cause to be given information that to his knowledge is false or misleading in a material particular; and
- the General Manager of the OEPA has powers under section 47(2) of the *Environmental Protection Act 1986* to require reports and information about implementation of the proposal to which the statement relates and compliance with the implementation conditions.

**5 Submission of Statement of Compliance**

One hard copy and one electronic copy (preferably PDF on CD or thumb drive) of the Statement of Compliance are required to be submitted to the General Manager, OEPA, marked to the attention of Manager, Compliance Branch.

Please note, the OEPA has adopted a procedure of providing written acknowledgment of receipt of all Statements of Compliance submitted by the proponent, however, the OEPA does not approve Statements of Compliance.

**6 Contact Information**

Queries regarding Statements of Compliance, or other issues of compliance relevant to a Statement may be directed to Compliance Branch, OEPA:

**Manager, Compliance Branch**  
**Office of the Environmental Protection Authority**

Postal Address: Locked Bag 10  
 EAST PERTH WA 6892

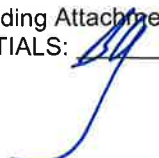
Phone: (08) 6145 0800

Email: [compliance@epa.wa.gov.au](mailto:compliance@epa.wa.gov.au)

**7 Post Assessment Guidelines and Forms**

Post assessment documents can be found at [www.epa.wa.gov.au](http://www.epa.wa.gov.au) in the following locations:


- Post Assessment Guidelines: Home>Policies and Guidelines>Post Assessment Guidelines;
- Post Assessment Forms: Home>Post Assessment Forms.

Each page (including Attachment 2) must be initialed by the person who signs Section 4 of this Statement of Compliance. INITIALS: 

## ATTACHMENT 1

Table 1 Compliance Status Terms

Compliance Status Terms	Abbrev	Definition	Notes
Compliant	C	Implementation of the proposal has been carried out in accordance with the requirements of the audit element.	This term applies to audit elements with: <ul style="list-style-type: none"> <li>ongoing requirements that have been met during the reporting period; and</li> <li>requirements with a finite period of application that have been met during the reporting period, but whose status has not yet been classified as 'completed'.</li> </ul>
Completed	CLD	A requirement with a finite period of application has been satisfactorily completed.	This term may only be used where: <ul style="list-style-type: none"> <li>audit elements have a finite period of application (e.g. construction activities, development of a document);</li> <li>the action has been satisfactorily completed; and</li> <li>the Office of the Environmental Protection Authority (OEPA) has provided written acceptance of 'completed' status for the audit element.</li> </ul>
Not required at this stage	NR	The requirements of the audit element were not triggered during the reporting period.	This should be consistent with the 'Phase' column of the audit table.
Potentially Non-compliant	PNC	Possible or likely failure to meet the requirements of the audit element.	This term may apply where during the reporting period the proponent has identified a potential non-compliance and has not yet finalized its investigations to determine whether non-compliance has occurred.
Non-compliant	NC	Implementation of the proposal has not been carried out in accordance with the requirements of the audit element.	This term applies where the requirements of the audit element are not "complete" have not been met during the reporting period.
In Process	IP	Where an audit element requires a management or monitoring plan be submitted to the OEPA or another government agency for approval, that submission has been made and no further information or changes have been requested by the OEPA or the other government agency and assessment by the OEPA or other government agency for approval is still pending.	<b>The term 'In Process' may not be used for any purpose other than that stated in the Definition Column.</b>  The term 'In Process' may not be used to describe the compliance status of an implementation condition and/or procedure that requires implementation throughout the life of the project (e.g. implementation of a management plan).

Each page (including Attachment 2) must be initialed by the person who signs Section 4 of this Statement of Compliance. INITIALS: 

**Attachment 2**

Audit table can be found in Table 6 of the DBP Stage 5 compliance audit report.

Each page (including Attachment 2) must be initialed by the person who signs Section 4 of this Statement of Compliance. INITIALS: \_\_\_\_\_

Handwritten initials in blue ink, appearing to be 'J' or similar, written over the line for initials.





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# APPENDIX B: MONITORING REPORTS



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**DAMPIER TO BUNBURY NATURAL GAS PIPELINE**  
**(DBNGP)**

**SUMMARY OF STAGE 5A REHABILITATION SUCCESS**

**- TOWARDS CLOSURE -**

Prepared for  
**DBNGP (WA) Nominees Pty Ltd**

Prepared by  
**Mattiske Consulting Pty Ltd**

**October 2014**

DBP1404/047/2014



**Mattiske** Consulting Pty Ltd

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***Disclaimer and Limitation***

This report has been prepared on behalf of and for the exclusive use of DBP, and is subject to and issued in accordance with the agreement between DBP and Mattiske Consulting Pty Ltd. Mattiske Consulting Pty Ltd accepts no liability or responsibility whatsoever for it in respect of any use of or reliance upon this report by any third party.

This report is based on the scope of services defined by DBP, budgetary and time constraints imposed by DBP, the information supplied by DBP (and its agents), and the method consistent with the preceding.

Copying of this report or parts of this report is not permitted without the authorisation of DBP or Mattiske Consulting Pty Ltd.

**DOCUMENT HISTORY**

Report	Version	Prepared By	Reviewed By	Submitted to Client	
				Date	Copies
Internal Review	V1	JC	JC/EMM	-	-
Draft Report released for Client Review	V2	JC	JC/EMM	22/10/14	Email
Final Report	V3	JC	JC/EMM	12/02/15	Email

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## **1. INTRODUCTION**

The following report serves as an addendum to Matiske Pty Ltd (2014) and provides a concise summary of rehabilitation success within Stage 5A looping expansions. Rehabilitation success has been determined in view of aspects outlined in the rehabilitation completion criteria. The primary aim of this report was to provide justifications and recommendations concerning the closure of Stage 5A rehabilitation areas. Completion criteria were separated as to survey sites located in areas traversed by the DBNGP considered to be general right-of-way (GRoW) and survey sites located in areas traversed by the DBNGP considered to be of High Conservation Value (HCV; Conservation and National Parks, Nature Reserves and State Forest). Loops 1, 5 and 8 contained survey sites located within HCV areas.

## **2. ASSESSMENT OF REHABILITATION WITHIN STAGE 5A LOOPING EXPANSIONS**

### **2.1 Loop 1**

Rehabilitation within Stage 5A Loop 1 (GRoW) areas satisfied all minimum requirements outlined in the completion criteria. Rehabilitation within Stage 5A Loop 1 (HCV) areas failed to satisfy both native perennial species density (Control: 1.274 plants/m<sup>2</sup>; Rehabilitation: 0.590 plants/m<sup>2</sup>) and percentage native perennial cover (Control: 0.082 %/m<sup>2</sup>; Rehabilitation: 0.033 %/m<sup>2</sup>).

Recommendation: Closure of Loop 1 (GRoW) areas. Re-monitoring of Loop 1 (HCV) areas, rather than intervention, is recommended to establish a positive trajectory in rehabilitation development.

### **2.2 Loop 2**

Rehabilitation within Stage 5A Loop 2 expansions satisfied all minimum requirements outlined in the completion criteria.

Recommendation: Closure

### **2.3 Loop 3**

Rehabilitation within Stage 5A Loop 3 expansions satisfied all minimum requirements outlined in the completion criteria.

Recommendation: Closure

### **2.4 Loop 4**

Rehabilitation within Stage 5A Loop 4 expansions satisfied three of the four minimum requirements outlined in the completion criteria. Native perennial species richness and native perennial plant density equalled or exceeded the controls, however, percentage native perennial plant cover failed to meet the minimum requirement (Control: 0.059 %/m<sup>2</sup>; Rehabilitation: 0.022 %/m<sup>2</sup>). Despite this, intervention and/or further monitoring has not been recommended as it would be expected that percentage native perennial cover will continue to improve over time, given the strong perennial species richness and plant density results; particularly native perennial plant density which was almost three times that of the controls.

Recommendation: Closure

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## 2.5 Loop 5

Rehabilitation within Stage 5A Loop 5 (GRoW) areas satisfied all minimum requirements outlined in the completion criteria. Rehabilitation within Stage 5A Loop 5 (HCV) areas failed to satisfy native perennial species richness targets (Control: 0.032 species/m<sup>2</sup>; Rehabilitation: 0.012 species/m<sup>2</sup>).

Recommendation: Closure of Loop 5 (GRoW) areas. Re-monitoring of Loop 5 (HCV) areas, rather than intervention, to establish a positive trajectory in rehabilitation development.

## 2.6 Loop 6

Rehabilitation within Stage 5A Loop 6 expansions satisfied three of the four minimum requirements outlined in the completion criteria. Native perennial species richness and native perennial plant density exceeded the controls, however, percentage native perennial plant cover failed to meet the minimum requirement (Control: 0.096 %/m<sup>2</sup>; Rehabilitation: 0.029 %/m<sup>2</sup>). Despite this, intervention and/or further monitoring has not been recommended as it would be expected that percentage native perennial cover will continue to improve over time, given the strong perennial species richness and plant density results.

Recommendation: Closure

## 2.7 Loop 7

Rehabilitation within Stage 5A Loop 7 expansions satisfied all minimum requirements outlined in the criteria.

Recommendation: Closure

## 2.8 Loop 8

Rehabilitation within Stage 5A Loop 8 (GRoW) expansions failed to satisfy both native perennial species richness (Control: 4.675 species/m<sup>2</sup>; Rehabilitation: 1.617 species/m<sup>2</sup>) and native perennial plant density (Control: 14.483 plants/m<sup>2</sup>; Rehabilitation: 4.533 plants/m<sup>2</sup>) targets. Rehabilitation within Stage 5A Loop 8 (HCV) areas satisfied all minimum requirements outlined in the criteria.

Recommendation: Re-monitoring of Loop 8 (GRoW) areas, rather than intervention, is recommended to establish a positive trajectory in rehabilitation development. Closure of Loop 8 (HCV) areas.

## 2.9 Loop 9

Rehabilitation within Stage 5A Loop 9 expansions satisfied all minimum requirements outlined in the criteria.

Recommendation: Closure

## 2.10 Loop 10

Rehabilitation within Stage 5A Loop 10 expansions satisfied three of the four minimum requirements outlined in the completion criteria. Native percentage native perennial cover in rehabilitation areas was well below that of the controls (Control: 14.326 %/m<sup>2</sup>; Rehabilitation: 1.088 %/m<sup>2</sup>). This result, however, was misleading given that survey sites were located with active pastoral lands.

Recommendation: Closure. Despite poor native percentage perennial cover results, further monitoring and/or intervention within these areas would seem counterintuitive given that sites were located within active pastoral lands or adjacent to artificial drainage lines.

### 3. REFERENCES

Mattiske Consulting Pty Ltd (2014)

*Dampier to Bunbury Natural Gas Pipeline (DBNGP) Flora and Vegetation Assessment of Stage4, 5A & 5B Control and Rehabilitation Areas.* Prepared for DBNGP (WA) Nominees Pty Ltd, October 2014.





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**DAMPIER TO BUNBURY NATURAL GAS PIPELINE  
(DBNGP)  
SUMMARY OF STAGE 5B REHABILITATION SUCCESS  
- TOWARDS CLOSURE -**

Prepared for  
**DBNGP (WA) Nominees Pty Ltd**  
Prepared by  
**Mattiske Consulting Pty Ltd**  
**October 2014**

DBP1404/048/2014



**Mattiske** Consulting Pty Ltd

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**DOCUMENT HISTORY**

Report	Version	Prepared By	Reviewed By	Submitted to Client	
				Date	Copies
Internal Review	V1	JC	JC/EMM	-	-
Draft Report released for Client Review	V2	JC	JC/EMM	22/10/14	Email
Final Report	V3	JC	JC/EMM	12/02/15	Email

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## **1. INTRODUCTION**

The following report serves as an addendum to Matiske Pty Ltd (2014) and provides a concise summary of rehabilitation success within Stage 5B looping expansions. Rehabilitation success has been determined in view of aspects outlined in the rehabilitation completion criteria. The primary aim of this report was to provide justifications and recommendations concerning the closure of Stage 5B rehabilitation areas. Completion criteria were separated as to survey sites located in areas traversed by the DBNGP considered to be general right-of-way (GRoW) and survey sites located in areas traversed by the DBNGP considered to be of High Conservation Value (HCV; Conservation and National Parks, Nature Reserves and State Forest). Loops 1, 5 and 9 contained survey sites located within HCV areas.

## **2. ASSESSMENT OF REHABILITATION WITHIN STAGE 5A LOOPING EXPANSIONS**

### **2.1 Loop 0**

Rehabilitation within Stage 5B Loop 0 expansion areas have satisfied all minimum requirements outlined in the completion criteria.

Recommendation: Closure

### **2.2 Loop 1**

Rehabilitation within Stage 5B Loop 1 expansions (HCV) satisfied three of the four minimum requirements outlined in the completion criteria. Native perennial species richness and native perennial plant density exceeded that of the controls, however, percentage native perennial plant cover failed to meet the minimum requirement (Control: 0.108 %/m<sup>2</sup>; Rehabilitation: 0.035 %/m<sup>2</sup>). Despite this, intervention and/or further monitoring has not been recommended as it would be expected that percentage native perennial cover will continue to improve over time, given the strong perennial species richness and plant density results.

Recommendation: Closure

### **2.3 Loop 2**

Rehabilitation within Stage 5B Loop 2 expansions satisfied three of the four minimum requirements outlined in the completion criteria. Native perennial species richness and native perennial plant density were comparable to controls, however, percentage native perennial plant cover failed to meet the minimum requirement (Control: 0.109 %/m<sup>2</sup>; Rehabilitation: 0.032 %/m<sup>2</sup>). Despite this, intervention and/or further monitoring has not been recommended as it would be expected that percentage native perennial cover will continue to improve over time, given the strong perennial species richness and plant density results.

Recommendation: Closure

### **2.4 Loop 3**

Rehabilitation within Stage 5B Loop 3 expansion areas have satisfied all minimum requirements outlined in the completion criteria.

Recommendation: Closure

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## 2.5 Loop 4

Rehabilitation within Stage 5B Loop 4 expansions satisfied three of the four minimum requirements outlined in the completion criteria. Native perennial species richness and native perennial plant density performed well against the controls, however, percentage native perennial plant cover failed to meet the minimum requirement (Control: 0.060 %/m<sup>2</sup>; Rehabilitation: 0.018 %/m<sup>2</sup>). Despite this, intervention and/or further monitoring has not been recommended as it would be expected that percentage native perennial cover will continue to improve over time, given the strong perennial species richness and plant density results.

Recommendation: Closure

## 2.6 Loop 5

Rehabilitation within Stage 5B Loop 5 expansions (HCV) satisfied three of the four minimum requirements outlined in the completion criteria. Native perennial species richness and native perennial plant density performed well against the controls, however, percentage native perennial plant cover failed to meet the minimum requirement (Control: 0.111 %/m<sup>2</sup>; Rehabilitation: 0.042 %/m<sup>2</sup>). Despite this, intervention and/or further monitoring has not been recommended as it would be expected that percentage native perennial cover will continue to improve over time, given the strong perennial species richness and plant density results.

Recommendation: Closure

## 2.7 Loop 6

Rehabilitation within Stage 5B Loop 6 expansion areas have satisfied all minimum requirements outlined in the completion criteria.

Recommendation: Closure

## 2.8 Loop 7

Rehabilitation within Stage 5B Loop 7 expansion areas have satisfied all minimum requirements outlined in the completion criteria.

Recommendation: Closure

## 2.9 Loop 8

Rehabilitation within Stage 5B Loop 8 expansions satisfied two of the four minimum requirements outlined in the completion criteria. Both native perennial species richness (Control: 3.96 species/m<sup>2</sup>; Rehabilitation: 1.40 species/m<sup>2</sup>) and native perennial plant density (Control: 28.46 plants/m<sup>2</sup>; Rehabilitation: 8.72 plants/m<sup>2</sup>) were substantially lower in rehabilitation areas when compared to the controls.

Recommendation: Re-monitoring of Loop 8 areas, rather than intervention, to establish a positive trajectory in rehabilitation development. In the event an additional survey does not yield positive results, intervention may be required.

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### 2.10 Loop 9

Rehabilitation within Stage 5B Loop 9 expansions (HCV) only satisfied one of the four minimum requirements outlined in the completion criteria. Native perennial species richness (Control: 2.50 species/m<sup>2</sup>; Rehabilitation: 0.93 species/m<sup>2</sup>), native perennial plant density (Control: 8.47 plants/m<sup>2</sup>; Rehabilitation: 3.32 plants/m<sup>2</sup>) and percentage native perennial plant cover (Control: 16.92 %/m<sup>2</sup>; Rehabilitation: 4.09 %/m<sup>2</sup>) were substantially lower in rehabilitation areas when compared to the controls.

Recommendation: Re-monitoring of Loop 9 areas to establish a positive trajectory in rehabilitation development. In the event an additional survey does not yield positive results, intervention may be required.

### 2.11 Loop 10

Rehabilitation within Stage 5B Loop 10 expansions satisfied two of the four minimum requirements outlined in the completion criteria. Both native perennial plant density (Control: 17.50 plants/m<sup>2</sup>; Rehabilitation: 3.67 plants/m<sup>2</sup>) and percentage perennial plant cover (Control: 10.65 %/m<sup>2</sup>; Rehabilitation: 3.67 %/m<sup>2</sup>) were substantially lower in rehabilitation areas when compared to the controls.

Recommendation: Re-monitoring of Loop 10 areas, rather than intervention, to establish a positive trajectory in rehabilitation development. In the event an additional survey does not yield positive results, intervention may be required.

## 3. REFERENCES

Mattiske Consulting Pty Ltd (2014)  
*Dampier to Bunbury Natural Gas Pipeline (DBNGP) Flora and Vegetation Assessment of Stage 4, 5A & 5B Control and Rehabilitation Areas.* Prepared for DBNGP (WA) Nominees Pty Ltd, October 2014.



**DAMPIER TO  
BUNBURY  
NATURAL GAS  
PIPELINE  
STAGE 5  
EXPANSION**

**2015 Annual Compliance Report  
(Ministerial Statement 735)**

**Revision 1  
March 2016**



<b>Rev</b>	<b>Date</b>	<b>Description</b>
0.1	11/02/2016	Initial draft
1.0	31/03/2016	Initial Report for Submission

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## 1. INTRODUCTION

This report addresses the status and compliance of the Dampier to Bunbury Natural Gas Pipeline (DBNGP) Stage 5 Expansion with the Conditions in Statement 735. This report has been prepared for the purpose of meeting the requirements of Conditions 4–1 to 4–4 of the Statement, which is to submit annual compliance reports. This report covers the reporting period from 14 December 2014 to 13 December 2015.

### 1.1 Project Background

The DBNGP Stage 5 Looping Expansion project involves construction of eleven pipeline loops adjacent (and connected) to the existing DBNGP. Completion of the expansion will result ultimately in completion of duplication of the pipeline from Dampier to Wagerup. The key characteristics of the proposal are presented in Table 1. The Stage 5 Looping Expansion project, which continues from Stage 4 (completed in 2006), involves a total length of approximately 1270 km of pipeline.

The proposal for the Stage 5 Looping Expansion was approved for implementation under Part IV of the *Environmental Protection Act 1986* (EP Act) with issue of Statement No. 735 (the Statement) on 13 December 2006. A change to the proposal under s 45C of the EP Act to allow for construction within additional easements granted for the purposes of the DBNGP was approved on 5 August 2011. DBNGP (WA) Nominees Pty Limited, trading as Dampier Bunbury Pipeline (DBP), is the Proponent of the DBNGP Stage 5 Expansion project.

The Statement requires submission of an annual compliance report to address the status and compliance of the DBNGP Stage 5 Looping Expansion project with Statement conditions and key actions in accordance with the annual compliance reporting requirements of conditions 4–1 to 4–4 of the Statement.

Implementation of the Stage 5 project commenced in February 2007, and was undertaken in three stages. The first stage (Stage 5A) was completed in March 2008. Stage 5B commenced in January 2009 and was effectively completed in early 2010, with the exception of the crossing of the Fortescue River. The Fortescue River Crossing section was undertaken over the period August 2011 to December 2011 inclusive. WestNet Energy (previously Alinta Asset Management) was contracted by DBP to provide project management for Stages 5A and 5B of the DBNGP Looping Expansion Project. DBP undertook project management of the Fortescue River crossing.

### 1.2 The Proposal

Table 1: Presents the key characteristics of the proposal as presented in the environmental impact assessment report (Strategen 2006).

DBNGP (WA) Nominees Pty Limited trading as Dampier Bunbury Pipeline (DBP) remains the Proponent of the DBNGP Stage 5 Looping Expansion project and there has been no change in responsibility for proponentcy.

**Table 1: Key characteristics of the Stage 5 Looping Expansion**

Aspect	Proposal			
Location	There will be eleven loops. The first loop starts at about 2 km south of Dampier. The last loop is south of compressor station 10, which starts at about 17 km southeast of Rockingham, and ends at Wagerup West (Main Line Valve 144).			
Proposed action	Construct eleven pipeline looping lengths of 660 mm in diameter, buried adjacent to the existing DBNGP. These pipeline lengths will be looped to the existing DBNGP to increase flow of natural gas.			
Total length of looping	Approximately 1270 km			
Characteristics of each loop	No.	Approx. length	Biogeographical region	Shires
	0	137.2 km	Pilbara	Shire of Roebourne
	1	123.3 km	Pilbara	Shire of Ashburton
	2	104.9 km	Carnarvon, Gascoyne	Shire of Ashburton
	3	113.0 km	Carnarvon, Gascoyne	Shire of Carnarvon
	4	112.9 km	Carnarvon	Shire of Carnarvon, Shire of Upper Gascoyne

	5	119.0 km	Carnarvon, Yalgoo	Shire of Shark Bay
	6	131.0 km	Yalgoo, Geraldton Sandplains	Shire of Northampton, Shire of Chapman Valley, Shire of Mullewa
	7	142.4 km	Geraldton Sandplains	Shire of Mullewa, Shire of Irwin, Shire of Carnamah
	8	96.8 km	Geraldton Sandplains, Swan Coastal Plain	Shire of Coorow, Shire of Dandaragan, Shire of Gingin
	9	127.7 km	Swan Coastal Plain	Shire of Gingin, Shire of Chittering, City of Swan, City of Belmont, Shire of Kalamunda, City of Gosnells, City of Armadale, City of Cockburn, Town of Kwinana
	10	61.5 km	Swan Coastal Plain	Shire of Serpentine–Jarrahdale, Shire of Murray, Shire of Waroona
Proposed tenure	The completed pipeline will be wholly within the existing DBNGP easement, which is gazetted under the Dampier to Bunbury Pipeline Act 1997 and the easement identified as Easement A as shown on the deposited plan numbered DP67493.			
DBNGP easement width	The existing DBNGP corridor is 30 m wide. The area to be cleared and graded in the northern loops (Dampier to Muchea) will be approximately 30 m and south of Muchea; the area cleared will be 20 to 30 m. In environmentally sensitive areas, working widths will be 20 m. Additional easements may vary in width and all clearing will be subject to the conditions of the Ministerial Statement.			
Activities outside the DBNGP easement	Turnarounds, Campsites, Turkey nests*, Laydown areas, Water supply sources, Access roads, Works associated with watercourse and dune crossings			
Temporary area of disturbance within DBNGP easement	Approximately 3175 ha, all to be rehabilitated in consultation with landowners.			
Estimated area of vegetation clearing within DBNGP easement	Approximately 1264 ha, all to be rehabilitated in consultation with landowners.			
Temporary area of disturbance outside the DBNGP easement	Approximately 139 ha, all to be rehabilitated in consultation with landowners.			
Construction duration	The Stage 5 Expansion will be constructed in stages, with Stage 5A commencing in February 2007. The subsequent stages will be constructed to match the increasing demand in fuel gas, and full looping is expected to be substantially completed within five years of approval.			
Construction workforce	Up to 900 people			

\* Turkey nests are artificially created water storages constructed by hollowing out an area of land and using the fill to build up its sides.

### 1.3 Environmental approval to implement the project

DBP was granted environmental approval for the DBNGP Stage 5 Looping Expansion proposal under Part IV of the EP Act. The Minister for Environment approved the proposal on 13 December 2006 with the release of Statement No. 735, which includes environmental conditions under which the proposal is to be implemented. Of the 72 environmental conditions, the majority of conditions relate to the preparation and implementation of management plans addressing areas of potential environmental risk identified during the assessment.

The required management plans were prepared and consolidated as management protocols into a Construction Environmental Management Plan (CEMP) (DBP 2011). The CEMP addressed a number of environmental factors additional to those required under the Statement, in order to meet the requirements of all environmental regulators.

## 2. CURRENT STATUS

The DBNGP Stage 5 Looping Expansion is being constructed in stages, the first of which was Stage 5A, which commenced in February 2007 and was completed in March 2008. Stage 5B was commenced in January 2009 and completed in November 2011.

The statistics related to implementation of the proposal as at 13 December 2013 is summarised in

Table 2. Of the total 1270 km of the Stage 5 approved proposal, 1011 km have now been constructed.

**Table 2: Progress of DBNGP Stage 5 Looping Expansion Project**

Loop	Stage 5A		Stage 5B	
	Loop Lengths (km)*	Status of Loops	Loop Lengths (km)*	Status of Loops
Loop 0	0.0	No construction in Loop 0 undertaken in Stage 5A	114.9	Complete
Loop 1	74.0	Complete	32.9	Complete
Loop 2	57.8	Complete	31.9	Complete
Loop 3	60.3	Complete	34.6	Complete
Loop 4	61.9	Complete	33.6	Complete
Loop 5	63.7	Complete	34.0	Complete
Loop 6	70.5	Complete	35.8	Complete
Loop 7	60.4	Complete	44.0	Complete
Loop 8	55.3	Complete	21.8	Complete
Loop 9	52.0	Complete	23.4	Complete
Loop 10	15.1	Complete	33.3	Complete
TOTAL	571.1		440.2	

Completion of Stage 5A was considered to be evidence of substantial commencement of the project as required under Condition 3–2, as reported in the 2007 compliance report (DBP 2008).

As outlined in the 2007 compliance report (DBP 2008), the above description satisfies the requirements of condition 4–3(8).

This report has been prepared to demonstrate compliance with the Statement conditions for the period from 14 December 2015 to 13 December 2015 inclusive. The report comprises the findings of an audit of compliance with:

- conditions and procedures contained within the Statement as required by Condition 4–3(2) of the Statement
- key actions contained within management plans or programs as required by Conditions 4–3(4) of the Statement.

As Stage 5A of the proposal was completed in March 2008 and Stage 5B was completed in November 2011, no construction activities were conducted during the reporting period 14 December 2014 to 13 December 2015.

## 3. AUDIT METHODOLOGY

### 3.1 Purpose and scope

The purpose of this document is to enable compliance with Conditions 4–1 to 4–4 of Statement No. 735:

*4–1 The proponent shall submit to the CEO environmental compliance reports annually reporting on the previous twelve-month period, unless required by the CEO to report more frequently.*

*Note: Annual reporting shall continue until such time as the Minister for the Environment determines on advice from the Environmental Protection Authority that the proponent has fulfilled its responsibilities in relation to the conditions within this Statement.*

*4–2 The environmental compliance reports shall address each element of an audit program approved by the CEO and shall be prepared and submitted in a format acceptable to the CEO.*

*4–3 The environmental compliance reports shall:*

- *be endorsed by signature of the proponent's Chairman or a person, approved in writing by the Chairman, delegated to sign on behalf of the proponent's Chairman;*
- *state whether the proponent has complied with each condition and procedure contained in this statement;*
- *provide verifiable evidence of compliance with each condition and procedure contained in this statement;*
- *state whether the proponent has complied with each key action contained in any environmental management plan or program required by this statement;*
- *provide verifiable evidence of conformance with each key action contained in any environmental management plan or program required by this statement;*
- *identify all non-compliances and non-conformances and describe the corrective and preventative actions taken in relation to each non-compliance or non-conformance;*
- *provide an assessment of the effectiveness of all corrective and preventative actions taken; and*
- *describe the state of implementation of the proposal.*

*4–4 The proponent shall make the environmental compliance reports required by condition 4–1 publicly available in a manner approved by the CEO.*

The report has been prepared by DBP for submission to the Chief Executive Officer (CEO) of the Office of the Environmental Protection Authority (OEPA) (formerly, for compliance reporting, the Department of Environment and Conservation [DEC]) to meet the requirements of condition 4–1 of Statement No. 735 for submission of an annual compliance report.

Key Actions of a number of management plans were adopted by DBP for inclusion in annual compliance reports on Stage 5A, which were accepted by the DEC (now OEPA) and have been used for all subsequent compliance reporting. However, the majority of these Key Actions have not been assessed in this audit as no construction has occurred during this audit period.

It is also noted that where a previous Compliance Report has indicated a condition was 'Completed' the evidence associated with the previous audit determination has been accepted without verification.

### 3.2 Methodology

The audit was conducted in February 2016.

The required reporting includes "whether the proponent has complied with each condition and procedure contained within the statement" and "conformed with each key action" (conditions 4–3[2] and 4–3[4] respectively). This section describes how compliance with each condition and conformance with key actions has been audited and reported.

Where evidence has been presented in previous compliance reports, it has not been included with this report to minimise the bulk of reporting. Audit results relating to the Statement conditions and key actions are summarised in Section 4 and detailed audit results presented in Section 5.

Where potential non-compliances have been identified, the corrective and preventative actions taken are described and an assessment of their effectiveness as required by conditions 4–3(6) and 4–3(7) is provided in Section 4.3.

#### *Compliance with Statement No. 735*

An audit of compliance with the conditions and procedures of the Statement was conducted and a compliance status rating was applied in accordance with terminology described in Section 3.3. The full audit is presented in Section 5.1.

#### *Conformance with key actions*

Condition 4–3(4) requires DBP to report on conformance with each key action contained within any management plan or program required by Statement No. 735. The conformance status rating was also applied in accordance with the Section 3.3 terminology.

Environmental management is primarily achieved through implementation of the CEMP, which contains a number of management protocols<sup>1</sup> that directly relate to all the construction requirements of the Statement conditions. These protocols include a range of additional specific management actions reflecting good management. A number of the management actions within the CEMP directly reflect specific prescriptive conditions within the Statement.

Key actions from the CEMP have been identified as being:

- those management actions in the CEMP protocols implemented to manage a condition of the Statement
- those management actions in CEMP protocols that reflect a key intent of a condition of the Statement.

Using the above definition, key actions have been derived and audited. These key actions have been adopted for all compliance reporting to date.

#### *Corrective and preventative actions*

Statement conditions 4–3(6) and 4–3(7) require descriptions of corrective and preventative actions taken in relation to each non-compliance or non-conformance, together with assessments of their effectiveness. These are presented in Section 4.3.

#### *Evidence verification*

Evidence to substantiate compliance with conditions contained within Statement No. 735 and key actions contained within the management plans or programs as required by conditions 4–3(3) and 4–3(5) has been sourced from previous compliance reports and other documentation.

### **3.3 Audit terminology**

The 'Status' field of the audit table (refer to Section 5) describes the implementation of the action and compliance with the condition, procedure or commitment. Although the CEO of the OEPA makes the final determination of compliance, it is necessary to update this field each reporting period, as the project progresses. The OEPA (2012a, 2012b, 2012c and 2012d) has prepared updated guidance related to the preparation of compliance audits, including generic expressions that are used to identify the status of each item (Table 3).

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<sup>1</sup> The management protocols in the CEMP include all the environmental management plans required under Statement No. 735 to be prepared for implementation of the proposal.

**Table 3: Action implementation status (Source: adapted from OEPA (2012b))**

Status	Description
Compliant (Conformant)	Implementation of the proposal has been carried out in accordance with requirements of the audit. (Conformant – as above in relation to actions of management plans / programmes)
Completed	A requirement with a finite period of application has been satisfactorily completed.
Not required at this stage	The requirements of the audit element were not triggered during the reporting period.
Potentially non-compliant (Potentially non-conformant)	Possible or likely failure to meet the requirements of the audit element. (Potentially non-conformant – as above in relation to actions of management plans / programmes)
In process	Where an audit element requires a management or monitoring plan be submitted to the OEPA or another government agency for approval, that submission has been made and no further information or changes have been requested by the OEPA or the other government agency and assessment by the OEPA or other government agency for approval is still pending.



## 4. AUDIT RESULTS

This report has been prepared to address the status and compliance of the proposal with the conditions in the Statement in accordance with the annual compliance reporting requirements of conditions 4–1 to 4–4 of the Statement. The report considers the extent of compliance with each of the 72 conditions, and the extent of conformance with the 42 actions within approved management plans required under various conditions and determined to be Key Actions.

### 4.1 Compliance with Statement No 735 conditions

The detailed results of the audit of Statement 735 are presented in Section 5.1 (Table 6). Condition 1-1 of Statement 735 requires implementation of the proposal as documented in Schedule 1 of the Statement. As no construction occurred during this audit period and a previous audit (Strategen 2014) determined that there were no potential non-compliances with Schedule 1, this has not been audited during this audit period.

#### *Rehabilitation*

On 18<sup>th</sup> December 2014, DBP issued Revision 5 to the Rehabilitation Management Plan (Rev 5) developed in consultation with the Department of Parks and Wildlife (DPaW) and Department of Mines and Petroleum (DMP) to improve the relevance of the completion criteria. On 4<sup>th</sup> February 2015, EPA endorsed this revision. Rehabilitation results for the 2014 calendar year reporting period (subsequently submitted on 13<sup>th</sup> March 2015) reported rehabilitation success against the revised criteria. Results identified that a total of 10 either met or were likely to meet the completion criteria and thus recommended cessation of further monitoring. The remaining 6 sites were all monitored in the 2015 reporting period (Mattiske 2015, Appendix B) generating the following results:

**Stage 5A:** *Stage 5A Loops 1 and 5 High Conservation Value (HCV) rehabilitation areas satisfied all minimum requirements outlined in the completion criteria and are therefore recommended for closure. Stage 5A Loop 8 General Right of Way (GRoW) areas satisfied three out of the four minimum requirements outlined in the completion criteria. Improvements in native perennial species richness and plant foliage cover were recorded, however native perennial plant density in rehabilitation areas only achieved 32% of that recorded in the corresponding controls. Further monitoring of Loop 8 GRoW areas may be required to ensure that minimum compliance is achieved.*

**Stage 5B:** *Stage 5B Loops 8 and 10 GRoW rehabilitation areas satisfied all minimum requirements outlined in the completion criteria and are therefore recommended for closure. Despite improvements between 2014 and 2015, Loop 9 HCV rehabilitation areas failed to achieve minimum requirements outlined in the completion criteria for native perennial species richness, percentage native perennial plant foliage cover and percentage weed foliage cover. Further monitoring of Loop 9 HCV areas may be required to ensure that minimum compliance is achieved.*

The Rehabilitation Monitoring Report (Mattiske 2015) identifies just two sites for continued monitoring to ensure completion of the minimum criteria. These will continue to be monitored in the next reporting period.

Results identified that all remaining sites could be closed as they met the criteria, with just two exceptions. These include Loop 8 under Stage 5A and Loop 9 under Stage 5B. Loop 8 (5A) site failed to meet requirements for plant species diversity with Loop 9 (5B) failing to meet minimum targets for species richness and plant foliage cover.

The results and recommendations presented in these reports are summarised within **Table 4** and **Table 5** below. All relevant rehabilitation monitoring reports have been provided as Appendix B.

**Table 4: Summary of Stage 5A Rehabilitation Monitoring Results and Recommendations**

Loop	GRoW/HCV	Species Richness	Plant Species Density	Plant Foliage Cover	Weed Foliage Cover	Recommendation
1	HCV	Pass	Pass	Pass	Pass	Cease monitoring (criteria met)
5	HCV	Pass	Pass	Pass	Pass	Cease monitoring (criteria met)
8	GRoW	Pass	Fail	Pass	Pass	Further monitoring to establish a positive trajectory

**Table 5: Summary of Stage 5B Rehabilitation Monitoring Results and Recommendations**

Loop	GRoW/HCV	Species Richness	Plant Species Density	Plant Foliage Cover	Weed Foliage Cover	Recommendation
8	GRoW	Pass	Pass	Pass	Pass	Cease monitoring (criteria met)
9	HCV	Fail	Pass	Fail	Pass	Further monitoring to establish a positive trajectory
10	GRoW	Pass	Pass	Pass	Pass	Cease monitoring (criteria met)

**4.2 Conformance with key actions**

Condition 4–3(4) of Statement No. 735 requires the proponent to demonstrate compliance with key actions contained in any environmental management plan or program required by the Statement. As the key actions all relate to construction activities and no such activities were undertaken during the report period, this condition is considered to be Not Applicable (N/A) to this report.

**4.3 Corrective actions**

No corrective actions have been undertaken as there were no non-compliances identified this audit period.

## 5. AUDIT TABLES

### 5.1 Statement No. 735 Summary Audit Tables

Table 6 has been produced to meet condition 4–3(2) of Statement No. 735.

Where conditions have been previously reported as completed they have been 'greyed out' in the compliance audit report.

Table 6: Results of audit of Statement No. 735

Audit code	Subject	Action	How	Objective	Phase/Timing	Criteria	Evidence	Finding	Status
735:M1.1	Implementation	Implement the proposal as documented and described in schedule 1 of Statement 735 subject to the conditions and procedures of this statement.	Establish and implement an auditing compliance reporting system.	To avoid unforeseen or unassessed impacts	Overall	-	R_004_2011 DBNGP Stage 5 looping expansion project AECR_01072012 R_001_DBNGP Stage 5 Looping Expansion Project 2013 Annual Environmental Compliance Report (Statement No. 735)_01032014 DBNGP Stage 5 Looping Expansion Project 2015 Annual Compliance Report (Statement No. 735)	Refer to the 2011 Annual Environmental Compliance Report (AECR) (Strategen 2012a) with respect to implementation as described in Schedule 1 of Statement No. 735. No additional construction has occurred since the audit period reported in the 2013 AECR. The implementation of the project is now in operational phase rather than construction.	Compliant
735:M2.1	Nominated proponent	Implement the proposal until such time as the Minister for the Environment nominates another person as the proponent.	Establish and implement auditing compliance reporting system.	To ensure responsibility rests with the nominated proponent	Overall	Has Minister nominated another person as proponent?	DBNGP Stage 5 Looping Expansion Project 2015 Annual Compliance Report (Statement No. 735)	DBP remains the proponent and has an annual audit compliance reporting system in place.	Compliant
735:M2.2	Proponent contact details	Notify the Chief Executive Officer of the DEC (CEO) of any change of the contact name and address for the serving of a notice or other correspondence within 30 days of such change.	Written notification.	To enable the DEC to maintain contact with the proponent	Overall	Has the contact name and address for the serving of a notice or other correspondence for the project changed since approval; if so, was the Chief Executive Officer of the DEC (CEO) informed within 30 days of such change.	Website indicates that contact name and address have not changed since Loop 10 compliance audit in 2008.	The contact address for DBP has not changed.	Compliant
735:M3.1	Authorisation limit	Substantially commence the proposal before 13 December 2011 to avoid lapse of authorisation.	Written notification.	To keep DEC informed of project status	Construction	Substantial construction commenced	R_003_DBNGP Stage 5 Looping Expansion Project 2007 Annual Environmental Compliance Report_01052008	Condition satisfied as reported in the 2007 annual compliance report (DBP 2008).	Completed
735:M3.2	Commencement	Provide the CEO with written evidence which demonstrates that the proposal has substantially commenced on or before the 13 December 2011.	Written notification.	To keep DEC informed of project status	Construction	Substantial construction commenced	R_003_DBNGP Stage 5 Looping Expansion Project 2007 Annual Environmental Compliance Report_01052008	Condition satisfied as reported in the 2007 annual compliance report (DBP 2008).	Completed
735:M4.1	Compliance reporting - submitting	Submit to the CEO environmental compliance reports reporting on the previous twelve-month period. (Annual Environmental Compliance Report [AECR])	Reports shall address that required by condition 4-2 and condition 4-3.	To provide evidence that the proposal is being implemented and conditions are being met	Overall Annually unless required by the CEO to report more frequently. Annual reporting shall continue until such time as the Minister for the Environment determines on advice from the EPA that the proponent has fulfilled its responsibilities in relation to the conditions within this statement.	2012 AECR covering period 14 Dec 2011 to 13 Dec 2012  2013 AECR covering period 14 Dec 2012 to 13 Dec 2013 (this report)	R_001_DBNGP Stage 5 Looping Expansion Project 2013 Annual Environmental Compliance Report (Statement No. 735)_01032014	A signed copy of the 2014 ACR (DBNGP 2014) dated March 2015 was provided. The report covered the period from 14 Dec 2013 to 13 Dec 2014. This ACR is considered relevant to the auditing period covered by this audit report. This audit report is intended to satisfy the requirements for reporting up until 13 December 2015.	Compliant
735:M4.2	Audit Program	Prepare an audit program.	Develop an audit table listing implementation conditions and detail how these will be met. Develop criteria and standards that will be used to measure compliance.	To develop a system of monitoring implementation and environmental performance of the proposal	Design	Audit Table prepared to the satisfaction of the CEO, DEC.	R_003_DBNGP Stage 5 Looping Expansion Project 2007 Annual Environmental Compliance Report_01052008	An Audit Program was prepared and signed-off by DEC. Relevant correspondence was sighted in a previous Compliance Audit.	Completed

Audit code	Subject	Action	How	Objective	Phase/Timing	Criteria	Evidence	Finding	Status
735:M4.3	Annual environmental compliance reporting - preparation	<p>The environmental compliance reports shall:</p> <ol style="list-style-type: none"> <li>1. Be endorsed by signature of the proponent's Chairman or a person, approved in writing by the Chairman, delegated to sign on behalf of the proponent's Chairman.</li> <li>2. State whether the proponent has complied with each condition and procedure contained in Statement 735.</li> <li>3. Provide verifiable evidence of compliance with each condition and procedure contained in Statement 735.</li> <li>4. State compliance with each key action contained in any environmental management plan or program required by Statement 735.</li> <li>5. Provide verifiable evidence of conformance with each key action contained in any environmental management plan or program required by Statement 735.</li> <li>6. Identify all non-compliances and non-conformances and describe the corrective and preventative actions taken in relation to each non-compliance or non-conformance.</li> <li>7. Provide an assessment of the effectiveness of all corrective and preventative actions taken.</li> <li>8. Describe the state of implementation of the proposal.</li> </ol>	Reports presented to satisfy this condition with respect to the content.	To provide evidence that the proposal is being implemented and conditions are being met	Overall	2013 AECR covering period 14 Dec 2012 to 13 Dec 2013	R_001_DBNGP Stage 5 Looping Expansion Project 2013 Annual Environmental Compliance Report (Statement No. 735)_01032014	<p>A signed copy of the 2014 ACR (DBNGP 2014) dated March 2015 was provided. The report covered the period from 14 Dec 2013 to 13 Dec 2014.</p> <p>This ACR is considered relevant to the auditing period covered by this audit report.</p> <p>This audit report is intended to satisfy the requirements for reporting up until 13 December 2015.</p>	Compliant
735:M4.4	Annual environmental compliance reporting – public availability	Make the environmental compliance reports (AECRs) publicly available.	<p>Carry out the following:</p> <ol style="list-style-type: none"> <li>1. Provide copies of the documentation to the DEC library</li> <li>2. Post the document on the proponent's website.</li> </ol>	To ensure that the public is kept informed of the proposal and compliance with conditions	Overall Annually	As approved by the CEO.	<p>R_001_DBNGP Stage 5 Looping Expansion Project 2014 Annual Environmental Compliance Report (Statement No. 735)</p> <p><a href="http://www.dbp.net.au/hse/environment/">http://www.dbp.net.au/hse/environment/</a></p>	<p>A signed copy of the 2014 ACR (DBNGP 2014) dated March 2015 was provided. The report covered the period from 14 Dec 2013 to 13 Dec 2014.</p> <p>ACR's for the last several years are provided on the company's website to enable public availability.</p>	Compliant

Audit code	Subject	Action	How	Objective	Phase/Timing	Criteria	Evidence	Finding	Status
735:M5.1	Performance review – prepare and submit	Submit a Performance Review report every five years after the start of construction to the EPA, which addresses: 1. The major environmental issues associated with implementing the project; the environmental objectives for those issues; the methodologies used to achieve these; and the key indicators of environmental performance measured against those objectives. 2. The level of progress in the achievement of sound environmental performance, including industry benchmarking, and the use of best available technology where practicable. 3. Significant improvements gained in environmental management, including the use of external peer reviews. 4. Stakeholder and community consultation about environmental performance and the outcomes of that consultation, including a report of any on-going concerns being expressed. 5. The proposed environmental objectives over the next five years, including improvements in technology and management processes.	The Performance Review report will address the required actions.	To provide evidence of environmental performance and to identify aspects that may require environmental improvements	Overall Every 5 years after the start of construction	-	N/A	The 2007 AECR noted commencement of construction in February 2007. DBNGP Stage 5 Looping Expansion Project Five Year Performance Review (2007-2012) (Strategen 2012b) was provided to the OEPA on 3 August 2012 (previous audit period)	Not required at this stage
735:M5.2	Performance review – public availability	Make the Performance Review reports publicly available.	Carry out the following: 1. Provide copies of the documentation to the DEC library 2. Post the document on the proponent's website	To ensure that the public is kept informed of the environmental performance of the proponent	Overall Every 5 years after the start of construction	-	N/A	DBNGP Stage 5 Looping Expansion Project Five Year Performance Review (2007-2012) (Strategen 2012b) was provided to the OEPA on 3 August 2012 (previous audit period).	Compliant
735:M6.1	Compliance audit - submit	Submit a written compliance audit report to the CEO within 30 days of the conclusion of the construction of each loop section.	The report shall address that outlined in condition 6-2, 6-3 and 6-4.	To provide evidence that the conditions are being met within each loop section	Overall Within 30 days of construction completion in each loop section	Completion of each loop section is considered to be at the time of hand over of the Loop from DBP Construction to Operations.	N/A	Previously reported and no further construction will be undertaken at this stage	Not required at this stage
735:M6.2	Compliance report - prepare	The compliance audit report shall outline identified non-compliances against the conditions of Statement 735.	-	To provide evidence that the conditions are being met within each loop section	Overall	-	N/A	Previously reported and no further construction will be undertaken at this stage	Not required at this stage
735:M6.3	Compliance report - prepare	The report shall be endorsed by signature of the proponent's Chairperson or a person approved in writing by the Chairperson, delegated to sign on behalf of the proponent's Chairperson.	-	To provide evidence that the conditions are being met within each loop section	Overall Within 30 days of construction completion in each loop section	-	N/A	Previously reported and no further construction will be undertaken at this stage	Not required at this stage
735:M6.4	Compliance report - prepare	The report shall include the date, time and location of the non-compliances, the reason for the non-compliances, actions taken to remedy non-compliances and details of management measures implemented to reduce the risk of future non-compliances	Establish and implement auditing compliance reporting system.	To provide evidence that the conditions are being met within each loop section	Overall Within 30 days of construction completion in each loop section	-	N/A	Previously reported and no further construction will be undertaken at this stage	Not required at this stage

Audit code	Subject	Action	How	Objective	Phase/Timing	Criteria	Evidence	Finding	Status
735:M7.1	Spring flora surveys	Submit a report to the CEO, which details the results of the spring flora, surveys undertaken in 2006.	This report shall: 1. Record the location of any Declared Rare Flora, Priority Flora and other species of conservation significance. 2. Identify any Threatened Ecological Communities and other environmentally sensitive areas. 3. Describe the habitat in which specially protected or conservation-significant flora species were found, and the extent of the contiguous area of the same habitat in the local area. 4. Specify the degree of impact of the proposed works on specially protected or conservation-significant flora species, its identified contiguous habitat or Threatened Ecological Communities and other environmentally sensitive areas.	To determine if conservation significant species occur within the proposal area and the potential impact on them	Design Prior to the commencement of vegetation clearing	Survey shall be conducted in accordance with Guidance Statement No. 51 (EPA 2004)	R_003_DBNGP Stage 5 Looping Expansion Project 2007 Annual Environmental Compliance Report_01052008	Condition satisfied as reported in the 2007 annual compliance report (DBP 2008).	Completed
735:M7.2	Flora and Vegetation Management Plan - preparation	Prepare a Flora and Vegetation Management Plan, in consultation with the DEC.	The Plan shall: • Identify the proposed management strategy for the protection of Declared Rare Flora, Priority Flora, Threatened Ecological Communities, other conservation significant species and other environmentally sensitive areas identified. • Include a post-activity monitoring plan for specially protected or conservation-significant flora species.	To minimise and manage disturbance of remnant vegetation or conservation significant flora	Design Prior to the commencement of vegetation clearing	-	R_003_DBNGP Stage 5 Looping Expansion Project 2007 Annual Environmental Compliance Report_01052008	Condition satisfied as reported in the 2007 annual compliance report (DBP 2008).	Completed
735:M7.3	Flora and Vegetation Management Plan - implementation	Implement the Flora and Vegetation Management Plan.	-	To ensure appropriate management actions are taken to minimise any impacts on flora and vegetation	Construction	-	N/A	Previously reported and no further construction will be undertaken at this stage	Compliant
735:M7.4	Flora and Vegetation Management Plan – public availability	Make the Flora and Vegetation Management Plan publicly available.	The revised requirement for making the Flora and Vegetation Management plan publicly available is as follows: Carry out the following: 1) Provide a hard copy to the DEC library and 2) Make the Management Plan available on the DBNGP website	To ensure the public is kept informed	Overall	-	R_002_DBNGP Stage 5 Expansion Looping Project Construction Environmental Management Plan_17082011 DBP website copy at <a href="http://www.dbp.net.au/wp-content/uploads/2015/01/20110817-E-PLN-015-2-Stage-5B-CEMP.pdf">http://www.dbp.net.au/wp-content/uploads/2015/01/20110817-E-PLN-015-2-Stage-5B-CEMP.pdf</a>	A flora and vegetation management protocol is contained within the approved CEMP (DBP 2011). The CEMP is available on the DBP website. No revision was required during this audit period.	Compliant
735:M8.1	Vegetation disturbance – clear delineation	Clearly delineate on the ground the boundaries of the pipeline easement and the area of disturbance outside the easement.	Implement the Flora and Vegetation Management Plan and Conservation Area Management Plan.	To minimise clearing of vegetation	Design Prior to ground-disturbing activities	As established in the Flora and Vegetation and Conservation Area Management Plans.	N/A	Previously reported and no further construction will be undertaken at this stage	Not required at this stage

Audit code	Subject	Action	How	Objective	Phase/Timing	Criteria	Evidence	Finding	Status
735:M8.2	Vegetation disturbance – exceedance of boundaries	Do not cause disturbance of vegetation outside the delineated pipeline easement, or the delineated area of disturbance outside the easement, unless authorised by the Minister for the Environment.		To minimise disturbance of remnant vegetation	Construction	-	N/A	Previously reported and no further construction will be undertaken at this stage	Not required at this stage
735:M8.3	Vegetation disturbance – environmentally sensitive areas	Do not cause or allow disturbance of vegetation outside the 20 metre wide easement located within environmentally sensitive areas, unless authorised by the Minister for the Environment.	Establish and implement auditing compliance reporting system.	To minimise disturbance of vegetation in environmentally sensitive areas	Construction	-	N/A	Previously reported and no further construction will be undertaken at this stage	Not required at this stage
735:M9.1	Fauna Management Plan - preparation	Prepare a Fauna Management Plan, which includes a Fauna Interaction Protocol, in consultation with the DEC.	The Plan shall include: <ul style="list-style-type: none"> <li>Procedures to minimise and manage impacts on all native fauna, including conservation-significant fauna species identified in Bancroft and Bamford, Fauna Values of Stage 5 of the Dampier to Bunbury Natural Gas Pipeline (DBNGP): A Review (2006).</li> <li>Procedures for the management of water bodies within open trenches to minimise fauna death or injury.</li> </ul>	To minimise direct impacts on native fauna	Design Prior to ground disturbing activities	-	R_003_DBNGP Stage 5 Looping Expansion Project 2007 Annual Environmental Compliance Report_01052008	Condition satisfied as reported in the 2007 annual compliance report (DBP 2008).	Completed
735:M9.2	Fauna – trench clearing	The clearing of open trenches by the fauna-clearing persons is to be completed each day by no later than 4.5 hours after sunrise for Loops 0 to 7 and no later than 5 hours after sunrise for Loops 8 to 10 and at least half an hour prior to the backfilling of pipeline trenches.	-	To minimise death or injury to fauna trapped in the open trenches	Construction	-	N/A	Previously reported and no further construction will be undertaken at this stage	Not required at this stage
735:M9.3	Fauna – open trench length	Open trench lengths shall not exceed a length capable of being inspected and cleared by fauna clearing persons within the required times as set out in conditions 9-2, 10-2 and 10-4.	-	To minimise death or injury to fauna trapped in the open trenches	Construction	-	N/A	Previously reported and no further construction will be undertaken at this stage	Not required at this stage
735:M9.4	Fauna – identification of significant habitat trees	Significant habitat trees of sufficient age to form nesting hollows for hollow-nesting birds and mammals shall be marked, prior to construction, in consultation with the DEC.	-	To identify significant habitat trees that can be retained	Construction Prior to construction in each area	A habitat tree was assessed as having habitat value if it had 'a trunk diameter greater than 30 centimetres at breast height, irrespective of availability of lack of any evidence of use by fauna' (CEMP Controlled version 2)	N/A	Previously reported and no further construction will be undertaken at this stage	Not required at this stage
735:M9.5	Fauna – retention of significant habitat trees	Marked significant habitat trees as referred to in condition 9-4 shall be retained, except in the case where habitat trees occur in the direct line of the proposed pipeline.	-	To retain significant habitat trees for fauna, where possible	Construction	-	N/A	Previously reported and no further construction will be undertaken at this stage	Not required at this stage
735:M9.6	Fauna – backfill of trench	Monitor weather forecasts through the Bureau of Meteorology and in the event of a weather forecast indicating rainfall sufficient to cause flooding of trenches or drowning of fauna trapped in trenches, in consultation with DEC, backfill all lengths of open trench with a potential to be flooded or cause drowning of fauna.	-	To minimise harm to fauna that could be trapped and drown in open trenches	Construction	-	N/A	Previously reported and no further construction will be undertaken at this stage	Not required at this stage



Audit code	Subject	Action	How	Objective	Phase/Timing	Criteria	Evidence	Finding	Status
735:M9.7	Fauna – period that trench is open	Where wet trenching is conducted, trenches shall not remain open for periods longer than 48 hours within wetlands and environmentally sensitive areas and 7 days for all other areas.	-	To minimise death or injury to fauna	Construction	-	N/A	Previously reported and no further construction will be undertaken at this stage	Not required at this stage
735:M9.8	Fauna – qualifications of clearing persons	The fauna clearing persons shall operate in teams of two with at least one fauna clearing person experienced in the following, to the requirements of DEC: <ul style="list-style-type: none"> <li>• Fauna identification, capture and handling (including venomous snakes).</li> <li>• Identification of tracks, scats, burrows and nests of conservation significant species.</li> <li>• Fauna vouchering.</li> <li>• Assessing injured fauna for suitability for release, rehabilitation or euthanasia.</li> <li>• Familiarity with the ecology of the species that may be encountered in order to be able to appropriately translocate fauna encountered.</li> <li>• Performing euthanasia.</li> </ul>	-	To ensure fauna handling is of a high standard	Construction	-	N/A	Previously reported and no further construction will be undertaken at this stage	Not required at this stage
735:M9.9:1	Fauna – clearing person training	Ensure that basic fauna handling training is provided to fauna clearing persons who do not possess the skills and experience outlined in condition 9-8 prior to the fauna clearing person commencing employment.	-	To ensure fauna handling is of a high standard	Design	In accordance with training developed in consultation with DEC.	N/A	No design phase relevant to the audit period – Previously reported and no further construction will be undertaken at this stage	Not required at this stage
735:M9.9:2	Fauna clearing person-training	Ensure that basic fauna handling training is provided to fauna clearing persons who do not possess the skills and experience outlined in condition 9-8 prior to the fauna clearing person commencing employment.	-	To ensure fauna handling is of a high standard	Construction	In accordance with training developed in consultation with DEC.	N/A	Previously reported and no further construction will be undertaken at this stage	Not required at this stage
735:M9.10:1	Fauna – clearing person training	The fauna handling training as outlined in condition 9-9 shall be developed in consultation with the DEC.	-	To ensure best practice management	Design	-	N/A	No design phase relevant to the audit period – Previously reported and no further construction will be undertaken at this stage	Not required at this stage
735:M9.10:2	Fauna – clearing person training	The fauna handling training as outlined in condition 9-9 shall be developed in consultation with the DEC.	-	To ensure best practice management	Construction	-	N/A	Previously reported and no further construction will be undertaken at this stage	Not required at this stage
735:M9.11	Fauna – period that trench is open	No part of the trench shall remain open for more than 14 days except 'bell holes', unless authorised by the CEO.	Establish record log book as required by condition 9-13.	To minimise death or injury to fauna	Construction	-	N/A	Previously reported and no further construction will be undertaken at this stage	Not required at this stage
735:M9.12	Fauna – period that trench is open	In environmentally sensitive areas, no part of the trench shall remain open for more than seven days, unless authorised by the CEO.	Establish record log book as required by condition 9-13.	To minimise death or injury to fauna	Construction	-	N/A	Previously reported and no further construction will be undertaken at this stage	Not required at this stage
735:M9.13	Fauna – period that trench is open	In order to comply with condition 9-11 and condition 9-12, record each day in a log and on the ground the kilometre points of the start point and finish point of the trench opened on each day.	-	To ensure conditions are complied with	Construction	-	N/A	Previously reported and no further construction will be undertaken at this stage	Not required at this stage

Audit code	Subject	Action	How	Objective	Phase/Timing	Criteria	Evidence	Finding	Status
735:M9.14	Fauna Management Plan – review and revise	Review and revise, as required, the Fauna Management Plan required by condition 9-1.	Utilise compliance, performance and auditing reports.	To ensure best practice management	Construction	-	R_002_DBNGP Stage 5 Expansion Looping Project Construction Environmental Management Plan_17082011	Previously reported and no further construction will be undertaken at this stage	Not required at this stage
735:M9.15	Fauna Management Plan - implementation	Implement the Fauna Management Plan and subsequent revisions.	Incorporate in construction planning	To ensure appropriate management actions are taken to minimise any impacts on fauna	Construction	-	N/A	Previously reported and no further construction will be undertaken at this stage	Not required at this stage
735:M9.16	Fauna Management Plan – public availability	Make the Fauna Management Plan and subsequent revisions publicly available.	The revised requirement for making the Fauna Management plan publicly available is as follows: Carry out the following: 1) Provide a hard copy to the DEC library and 2) Make the Management Plan available on the DBNGP website.	To ensure the public is kept informed	Overall	-	R_002_DBNGP Stage 5 Expansion Looping Project Construction Environmental Management Plan_17082011 DBP website copy at <a href="http://www.dbp.net.au/wp-content/uploads/2015/01/20110817-E-PLN-015-2-Stage-5B-CEMP.pdf">http://www.dbp.net.au/wp-content/uploads/2015/01/20110817-E-PLN-015-2-Stage-5B-CEMP.pdf</a>	Within the approved CEMP is a section relating to 'Fauna Impact Protocol'. This information is publicly available on the DBP website. No revisions occurred during this audit period.	Compliant
735:M9.17	Fauna management – performance monitoring reports	Produce weekly performance monitoring reports on fauna management for each loop.	The Reports shall include, but not necessarily be limited to, details of all fauna inspections, the number of fauna cleared from trenches, fauna interactions, fauna mortalities and all actions taken. These reports are to be provided to the CEO each week.	To provide evidence of the effectiveness of fauna management measures	Construction	-	N/A	Previously reported and no further construction will be undertaken at this stage	Not required at this stage
735:M9.18:1	Fauna management – performance monitoring reports	Produce monthly performance monitoring reports on fauna management for each Loop.	The Reports shall include, but not necessarily be limited to, details of all fauna inspections, the number of fauna cleared from trenches, fauna interactions, fauna mortalities and all actions taken.	To provide evidence of environmental performance in relation to fauna management	Construction	-	N/A	Previously reported and no further construction will be undertaken at this stage	Not required at this stage
735:M9.18:2	Fauna management – performance monitoring reports	Make the monthly performance monitoring reports publicly available on completion of each loop.	The revised requirement for making monthly performance monitoring reports publicly available is as follows, reports to be provided to: 1) The DEC (Compliance Monitoring Section) 2) The DEC library 3) Made available on the website of the DBNGP	To ensure the public is kept informed	Overall	-	N/A	Previously reported and no further construction will be undertaken at this stage	Not required at this stage
735:M10.1	Timing of construction works – Loops 0 to 2	Avoid open trench work on Loops 0 to 2 from November to March inclusive unless otherwise allowed for in condition 10-2.	Establish and implement auditing compliance reporting system.	To avoid working in the wet season	Construction	-	N/A	Previously reported and no further construction will be undertaken at this stage	Not required at this stage
735:M10.2	Timing of construction works – Loops 0 to 2	In the event that open trench work on Loops 0 to 2 is conducted during November to March the following shall be undertaken: <ul style="list-style-type: none"> <li>Provide a report to the DEC outlining the reasons why open trench work was necessary during the period November to March inclusive.</li> <li>Complete fauna clearing as described in condition 9-2 by 3 hours after sunrise or when daily temperatures are forecast by the Bureau of Meteorology to exceed 35°C fauna clearing shall be completed by 2.5 hours after sunrise.</li> </ul>	Establish and implement auditing compliance reporting system.	To avoid working in the wet season	Construction	-	N/A	Previously reported and no further construction will be undertaken at this stage	Not required at this stage

Audit code	Subject	Action	How	Objective	Phase/Timing	Criteria	Evidence	Finding	Status
735:M10.3	Timing of construction works – Loops 8 to 10	Avoid open trench work on Loops 8 to 10 from June to December (inclusive) unless otherwise allowed for in condition 10-4.	Establish and implement auditing compliance reporting system.	To avoid working in the wet season	Construction	-	N/A	Previously reported and no further construction will be undertaken at this stage	Not required at this stage
735:M10.4	Timing of construction works – Loops 8 to 10	Where open trench work is undertaken during June to December inclusive the following shall be undertaken: <ul style="list-style-type: none"> <li>Provide a report to the DEC outlining the reasons why open trench work was necessary during the period June to December inclusive.</li> <li>Implement the Wetlands Crossing Management Plan (condition 12-1) and the Dieback and Weed Management Plan (condition 13-2).</li> </ul>	Establish and implement auditing compliance reporting system.	To avoid working in the wet season	Construction	-	N/A	Previously reported and no further construction will be undertaken at this stage	Not required at this stage
735:M11.1:1	Watercourses – vegetation delineation	Delineate the riparian vegetation along watercourses which will be traversed.	-	To minimise and manage disturbance of riparian vegetation	Design	-	N/A	No design phase relevant to the audit period – Previously reported and no further construction will be undertaken at this stage	Not required at this stage
735:M11.1:2	Watercourses-vegetation delineation.	Delineate the riparian vegetation along watercourses which will be traversed	-	To minimise and manage disturbance of riparian vegetation	Construction	-	N/A	Previously reported and no further construction will be undertaken at this stage	Not required at this stage
735:M11.2	Watercourse Crossing Management Plan -	Prepare in consultation with the DEC, a Watercourse Crossing Management Plan to minimise disturbance of riparian vegetation.	The Plan shall address: <ul style="list-style-type: none"> <li>Objectives and key performance criteria.</li> <li>Management actions (e.g. general requirements, surveying, trenching and excavation, drilling).</li> <li>Monitoring and recording.</li> <li>Contingency actions.</li> </ul>	To minimise and manage disturbance of watercourses	Design Prior to ground-disturbing activities	-	R_003_DBNGP Stage 5 Looping Expansion Project 2007 Annual Environmental Compliance Report_01052008	Condition satisfied as reported in the 2007 annual compliance report (DBP 2008).	Completed
735:M11.3	Watercourse Crossing Management Plan - implementation	Implement the Watercourse Crossing Management Plan.	Incorporate into construction planning	To ensure appropriate management actions are taken to minimise any impacts on watercourses	Construction	-	N/A	Previously reported and no further construction will be undertaken at this stage	Not required at this stage
735:M11.4	Watercourse Crossing Management Plan – public availability	Make the Watercourse Crossing Management Plan publicly available	The revised requirement for making the Watercourse Crossing Management Plan publicly available is as follows: Carry out the following: 1) Provide a hard copy to the DEC library and 2) Make the Management Plan available on the DBNGP website.	To ensure the public is kept informed	Overall	-	R_002_DBNGP Stage 5 Expansion Looping Project Construction Environmental Management Plan_17082011 DBP website copy at <a href="http://www.dbp.net.au/wp-content/uploads/2015/01/20110817-E-PLN-015-2-Stage-5B-CEMP.pdf">http://www.dbp.net.au/wp-content/uploads/2015/01/20110817-E-PLN-015-2-Stage-5B-CEMP.pdf</a>	Within the approved CEMP is a section relating to 'Watercourse Crossing Protocol'. This information is publicly available on the DBP website. No revisions occurred during this audit period.	Compliant
735:M12.1	Wetland crossing Management Plan - prepare	Prepare, in consultation with the DEC, a Wetland Crossing Management Plan.	As described in condition 12-2.	To minimise and manage disturbance to wetlands and wetland buffer areas	Design	Criteria established by condition 12-1	R_003_DBNGP Stage 5 Looping Expansion Project 2007 Annual Environmental Compliance Report_01052008	Condition satisfied as reported in the 2007 annual compliance report (DBP 2008).	Completed
735:M12.2	Wetland crossing Management Plan - prepare	The Wetland Crossing Management Plan shall set out procedures to protect any wetland crossed by the trench in the event that trenching is proposed where there is standing water in the wetland.	Establish and implement auditing compliance reporting system.	To minimise and manage disturbance to wetlands and wetland buffer areas	Design	Criteria established by condition 12-1	R_003_DBNGP Stage 5 Looping Expansion Project 2007 Annual Environmental Compliance Report_01052008	Condition satisfied as reported in the 2007 annual compliance report (DBP 2008).	Completed
735:M12.3	Wetland Crossing Management Plan - implementation	Implement the Wetland Crossing Management Plan.	-	To ensure appropriate management actions are taken to minimise any impacts on wetlands	Construction	-	N/A	Previously reported and no further construction will be undertaken at this stage	Not required at this stage

Audit code	Subject	Action	How	Objective	Phase/Timing	Criteria	Evidence	Finding	Status
735:M12.4	Wetland Crossing Management Plan – public availability	Make the Wetland Crossing Management Plan publicly available.	The revised requirement for making the Wetland Crossing Management Plan publicly available is as follows: Carry out the following: 1) Provide a hard copy to the DEC library and 2) Make the Management Plan available on the DBNGP website.	To ensure the public is kept informed	Overall	-	R_002_DBNGP Stage 5 Expansion Looping Project Construction Environmental Management Plan_17082011 DBP website copy at <a href="http://www.dbp.net.au/wp-content/uploads/2015/01/20110817-E-PLN-015-2-Stage-5B-CEMP.pdf">http://www.dbp.net.au/wp-content/uploads/2015/01/20110817-E-PLN-015-2-Stage-5B-CEMP.pdf</a>	Within the approved CEMP is a section relating to 'Wetland Management Protocol'. This information is publicly available on the DBP website. No revisions occurred during this audit period.	Compliant
735:M13.1	Dieback – delineate risk areas	Delineate surveyed occurrences of high risk, medium risk and medium to low risk dieback areas.	Establish and implement auditing compliance reporting system.	To minimise and manage the risk of introducing or spreading dieback	Design	-	N/A	No design phase relevant to the audit period – Previously reported and no further construction will be undertaken at this stage	Not required at this stage
735:M13.2	Dieback and Weed Management Plan - prepare	Prepare a Dieback and Weed Management Plan.	The plan shall address: Objectives and key performance criteria. Management actions (e.g. general requirements, hygiene management procedures). Monitoring and recording. Contingency actions.	To minimise the risk of introducing or spreading weeds and/or diseases	Design Prior to ground disturbing activities	-	R_003_DBNGP Stage 5 Looping Expansion Project 2007 Annual Environmental Compliance Report_01052008	Condition satisfied as reported in the 2007 annual compliance report (DBP 2008).	Completed
735:M13.3	Dieback and Weed Management Plan – review and revise	In consultation with the DEC, review and revise, as required, the Dieback and Weed Management Plan.	-	To ensure best management practice	Construction	-	R_002_DBNGP Stage 5 Expansion Looping Project Construction Environmental Management Plan_17082011	Previously reported and no further construction will be undertaken at this stage	Not required at this stage
735:M13.4	Dieback and Weed Management Plan - implementation	Implement the Weed and Dieback Management Plan and any subsequent revisions of the Weed and Dieback Management Plan.	Incorporate in construction planning	To ensure appropriate management actions are taken to minimise impacts from weed and dieback introduction and/or spread	Construction	-	N/A	Previously reported and no further construction will be undertaken at this stage	Not required at this stage
735:M13.5	Dieback and Weed Management Plan – public availability	Make the Weed and Dieback Management Plan and any subsequent revisions required by condition 13-3 publicly available.	The revised requirement for making the Weed and Dieback Management Plan publicly available is as follows: Carry out the following: 1) Provide a hard copy to the DEC library and 2) Make the Management Plan available on the DBNGP website.	To ensure the public is kept informed	Overall	-	R_002_DBNGP Stage 5 Expansion Looping Project Construction Environmental Management Plan_17082011 DBP website copy at <a href="http://www.dbp.net.au/wp-content/uploads/2015/01/20110817-E-PLN-015-2-Stage-5B-CEMP.pdf">http://www.dbp.net.au/wp-content/uploads/2015/01/20110817-E-PLN-015-2-Stage-5B-CEMP.pdf</a>	Within the approved CEMP is a section relating to 'Weed, Pest and Dieback Management Protocol'. This information is publicly available on the DBP website. No revisions occurred during this audit period.	Compliant
735:M14.1	Rehabilitation Management Plan - prepare	Prepare a Rehabilitation Management Plan.	The Plan shall address: 5. Weed management protocols. 6. Dieback management protocols. 7. Soil management protocols. 8. Rehabilitation completion criteria. 9. The need for propagule augmentation to achieve completion criteria	To re-establish vegetation and associated habitat areas, controlling sediment and erosion.	Design Prior to ground-disturbing activities	Criteria established by condition 14-1	R_003_DBNGP Stage 5 Looping Expansion Project 2007 Annual Environmental Compliance Report_01052008	Condition satisfied as reported in the 2007 annual compliance report (DBP 2008).	Completed
735:M14.2	Rehabilitation – management period	Manage rehabilitation of the pipeline route until the rehabilitation completion criteria, referred to in condition 14-1, have been achieved (Note: obligations under DoIR legislation mean the vehicular access track must be maintained and thus certain completion criteria may not be achievable within the access track).		To ensure effective rehabilitation	Overall	Criteria established by condition 14-1	C_007_OEPA_DBNGP Stage 5 Looping Expansion Project - Rehabilitation Management Plan - Ministerial Statement 735_04022015 R_006_DBNGP Stage 5 Expansion Rehabilitation Management Plan Rev 5_21012015	Mattiske (2015) reported the following results (text amended for minor edits):  <b>Stage 5A:</b> Stage 5A Loops 1 and 5 High Conservation Value (HCV) rehabilitation areas satisfied all minimum requirements outlined in the completion criteria and are therefore recommended for closure. Stage 5A Loop 8 General Right of Way (GRoW) areas satisfied three out of the four minimum requirements outlined in the completion criteria. Improvements in native perennial species richness and plant foliage cover were recorded, however native perennial plant density in rehabilitation areas only	Compliant

Audit code	Subject	Action	How	Objective	Phase/Timing	Criteria	Evidence	Finding	Status
								<p>achieved 32% of that recorded in the corresponding controls. Further monitoring of Loop 8 GRoW areas may be required to ensure that minimum compliance is achieved.</p> <p><b>Stage 5B:</b> Stage 5B Loops 8 and 10 GRoW rehabilitation areas satisfied all minimum requirements outlined in the completion criteria and are therefore recommended for closure. Despite improvements between 2014 and 2015, Loop 9 HCV rehabilitation areas failed to achieve minimum requirements outlined in the completion criteria for native perennial species richness, percentage native perennial plant foliage cover and percentage weed foliage cover. Further monitoring of Loop 9 HCV areas may be required to ensure that minimum compliance is achieved.</p> <p>The Rehabilitation Monitoring Report (Mattiske 2015) identifies several sites for continued monitoring to ensure completion of the minimum criteria. These will continue to be monitored in the next reporting period.</p>	
735:M14.3:1	Rehabilitation Management Plan – review and revision	In consultation with the DEC, review and revise, as required, the Rehabilitation Management Plan.	-	To ensure best practice	Construction	-	N/A	Previously reported and no further construction will be undertaken at this stage	Not required at this stage
735:M14.3:2	Rehabilitation Management Plan – review and revision	In consultation with the DEC, review and revise, as required, the Rehabilitation Management Plan.	-	To ensure best practice	Operation	-	<p>C_005_DPAW_RE: Summary of the existing and proposed rehabilitation criteria - DBNGP Looping Expansions_01102014</p> <p>C_006_DBNGP Stage 5 Looping Expansion Project - Rehabilitation Management Plan_18122014</p> <p>C_007_OEPA_DBNGP Stage 5 Looping Expansion Project - Rehabilitation Management Plan - Ministerial Statement 735_04022015</p> <p>R_006_DBNGP Stage 5 Expansion Rehabilitation Management Plan Rev 5_21012015</p>	<p>Revision of Rehabilitation Management Plan occurred during the previous audit period in consultation with DPAW (formerly DEC). Items revised included the completion criteria.</p> <p>The revised Rehabilitation Management Plan was endorsed by DPAW in October 2014 and subsequently approved by OEPA in February 2015.</p>	Compliant
735:M14.4:1	Rehabilitation Management Plan - implementation	Implement the Rehabilitation Management Plan and subsequent revisions until such time as the completion criteria are met.	-	To ensure rehabilitation planning and activities are implemented	Construction	-	N/A	Previously reported and no further construction will be undertaken at this stage	Not required at this stage
735:M14.4:2	Rehabilitation Management Plan - implementation	Implement the Rehabilitation Management Plan and subsequent revisions until such time as the completion criteria are met.	-	To ensure rehabilitation planning and activities are implemented	Operation	-	Refer to item 735:M14.2	Refer to item 735:M14.2.	Compliant
735:M14.5	Rehabilitation Management Plan – public availability	Make the Rehabilitation Management Plan and subsequent revisions publicly available.	The revised requirement for making the Rehabilitation Management Plan publicly available is as follows: Carry out the following: 1) Provide a hard copy to the DEC library and 2) Make the Management Plan available on the DBNGP website.	To ensure the public is kept informed	Overall	-	<p>C_007_OEPA_DBNGP Stage 5 Looping Expansion Project - Rehabilitation Management Plan - Ministerial Statement 735_04022015</p> <p>DBP website copy at <a href="http://www.dbp.net.au/wp-content/uploads/2015/01/20150121-E-PLN-016-5-Stage-5-Rehabilitation-MP.pdf">http://www.dbp.net.au/wp-content/uploads/2015/01/20150121-E-PLN-016-5-Stage-5-Rehabilitation-MP.pdf</a></p>	Rehabilitation report is made publically available through the DBP website	Compliant
735:M15.1	Acid Sulphate Soils - investigations	Prior to the commencement of soil disturbance or dewatering in an area, undertake field investigations within that area to clearly delineate areas of high, high to medium, medium to low risk acid sulphate soils.	-	To identify those areas where acid sulphate soil management is required	Design Prior to the commencement of soil disturbance or dewatering in an area	DoE Acid Sulfate Soils Guideline Series (DoE 2006)	N/A	Previously reported and no further construction will be undertaken at this stage	Not required at this stage
735:M15.2	Acid Sulphate Soils - Management	Ensure that within high, high to medium and medium to low acid sulphate soil risk areas, trenches will be excavated in lengths that permit trenches to be opened and closed within a 48 hour period.	Establish and implement auditing compliance reporting system.	To minimise adverse affects caused by acid sulphate soil disturbance	Construction	-	N/A	Previously reported and no further construction will be undertaken at this stage	Not required at this stage

Audit code	Subject	Action	How	Objective	Phase/Timing	Criteria	Evidence	Finding	Status
735:M15.3	Acid Sulphate Soils and Dewatering Management Plan - prepare	Prepare an Acid Sulphate Soils and Dewatering Management Plan, in consultation with the DEC to the requirements of the Minister for the Environment on advice of the EPA.	Plan to demonstrate that all practical measures have been included to manage the potential impacts of acid sulphate soils and dewatering activities.	To ensure that there are no adverse impacts to sensitive receptors as a result of acid sulphate soil disturbance and dewatering	Design Prior to trenching and excavation activities	Criteria established by M15-3	R_003_DBNGP Stage 5 Looping Expansion Project 2007 Annual Environmental Compliance Report_01052008	Condition satisfied as reported in the 2007 annual compliance report (DBP 2008).	Completed
735:M15.4	Acid Sulphate Soils and Dewatering Management Plan – review and revise	Review and revise, as required, the Acid Sulphate Soils and Dewatering Management Plan.	-	To ensure best practice management	Construction	-	R_002_DBNGP Stage 5 Expansion Looping Project Construction Environmental Management Plan_17082011	Previously reported and no further construction will be undertaken at this stage	Not required at this stage
735:M15.5	Acid Sulphate Soils and Dewatering Management Plan - implementation	Implement and comply with the Acid Sulphate Soils and Dewatering Management Plan and subsequent revisions.	Incorporate in construction planning.	To ensure appropriate management actions are taken to minimise impacts from acid sulphate soil disturbance and dewatering	Construction	-	N/A	Previously reported and no further construction will be undertaken at this stage	Not required at this stage
735:M15.6	Acid Sulphate Soils and Dewatering Management Plan – public availability	Make the Acid Sulphate Soils and Dewatering Management Plan and subsequent revisions publicly available.	The revised requirement for making the Acid Sulphate Soils and Dewatering Management Plan publicly available is as follows: Carry out the following: 1) Provide a hard copy to the DEC library and 2) Make the Management Plan available on the DBNGP website.	To ensure the public is kept informed	Overall	-	R_002_DBNGP Stage 5 Expansion Looping Project Construction Environmental Management Plan_17082011 DBP website copy at <a href="http://www.dbp.net.au/wp-content/uploads/2015/01/20110817-E-PLN-015-2-Stage-5B-CEMP.pdf">http://www.dbp.net.au/wp-content/uploads/2015/01/20110817-E-PLN-015-2-Stage-5B-CEMP.pdf</a>	Within the approved CEMP is a section relating to 'Acid Sulphate Soil Management Protocol'. This information is publicly available on the DBNGP website. No revisions occurred during this audit period.	Compliant
735:M16.1	Preliminary Decommissioning Plan - prepare	Prepare a Preliminary Decommissioning Plan for approval by the CEO.	The Plan shall describe the framework and strategies to ensure that the site is left in an environmentally acceptable condition, and provides: <ul style="list-style-type: none"> <li>The rationale for the siting and design of plant and infrastructure as relevant to environmental protection.</li> <li>A conceptual description of the final landform at closure.</li> <li>A plan for a care and maintenance phase.</li> <li>Initial plans for the management of noxious materials.</li> </ul>	To appropriately decommission the DBNGP in accordance with regulatory requirements and accepted best practice environmental management	Design Prior to undertaking ground-disturbing activities	Criteria established by M16-1	R_003_DBNGP Stage 5 Looping Expansion Project 2007 Annual Environmental Compliance Report_01052008	Condition satisfied as reported in the 2007 annual compliance report (DBP 2008).	Completed

Audit code	Subject	Action	How	Objective	Phase/Timing	Criteria	Evidence	Finding	Status
735:M16.2	Final Decommissioning Plan – prepare and submit	At least 12 months prior to the anticipated date of closure, or at a time approved by the EPA, submit a Final Decommissioning Plan designed to ensure that the site is left in an environmentally acceptable condition prepared on advice of the EPA, for approval of the CEO.	The Final Decommissioning Plan shall set out procedures and measures for: <ul style="list-style-type: none"> <li>• Removal or, if appropriate, retention of plant and infrastructure agreed in consultation with relevant stakeholders.</li> <li>• Rehabilitation of all disturbed areas to a standard suitable for the agreed new land use(s).</li> <li>• Identification of contaminated area, including provision of evidence of notification and proposed management measures to relevant statutory authorities.</li> </ul>	To ensure that the site is left in an environmentally acceptable condition	Overall At least 12 months prior to anticipated closure	Criteria established by condition 16-2	C_008_DBP_Asset Life_03082012	Not yet relevant (not within 12 months of anticipated closure).	Not required at this stage
735:M16.3	Final Decommissioning Plan - implementation	Implement the Final Decommissioning Plan until such time as the Minister for the Environment determines, on advice of the CEO, that decommissioning responsibilities have been fulfilled.	-	To ensure that the Final Decommissioning Plan is implemented	Closure	-	C_008_DBP_Asset Life_03082012	Not yet relevant (closure phase).	Not required at this stage
735:M16.4	Final Decommissioning Plan – public availability	Make the Final Decommissioning Plan publicly available.	The revised requirement for making the Final Decommissioning Plan publicly available is as follows: Carry out the following: 1) Provide a hard copy to the DEC library and 2) Make the Management Plan available on the DBNGP website.	To ensure the public is kept informed	Overall	-	C_008_DBP_Asset Life_03082012	Not yet relevant.	Not required at this stage

## 6. STATEMENT REGARDING COMPLIANCE

A Statement of Compliance is included as Appendix A.



## 7. REFERENCES

DBP 2008, DBNGP Stage 5 Looping Expansion Project - DBPL00-506-0504-01 2007 Annual Environmental Compliance Report (Ministerial Statement No. 735), report prepared for DBNGP (WA) Nominees Pty Ltd by Strategen, Leederville, Western Australia.

DBP 2011, DBNGP Stage 5 Expansion Looping Project DBPL-00-501-0722-01 Construction Environmental Management Plan – Controlled Version 2, report prepared for DBNGP (WA) Nominees Pty Ltd, August 2011.

DBP 2015, Dampier to Bunbury Natural Gas Pipeline Stage 5 Expansion Rehabilitation Management Plan Revision 5, January 2015.

Mattiske Consulting Pty Ltd (Mattiske) 2015 Reassessment of Selected Stage 4, 5A & 5B Control and Rehabilitation Areas.

Office of Environmental Protection Authority (OEPA) 2012a, Post Assessment Guideline for Preparing a Compliance Assessment Plan, OEPA, Perth, August 2012.

Office of Environmental Protection Authority (OEPA) 2012b, Post Assessment Guideline for Preparing an Audit Table, OEPA, Perth, August 2012.

Office of Environmental Protection Authority (OEPA) 2012c, Post Assessment Guideline for Making Information Publically Available, OEPA, Perth, August 2012.

Office of Environmental Protection Authority (OEPA) 2012d, Post Assessment Guideline for Preparing a Compliance Assessment Report, OEPA, Perth, August 2012.

Strategen 2006, Dampier-Bunbury Natural Gas Pipeline Stage 5 Expansion – Environmental Impact Assessment, report prepared for Alinta Asset Management by Strategen, Leederville, Western Australia.

Strategen 2008, Dampier-Bunbury Natural Gas Pipeline Stage 5 Expansion – Loop 10 Compliance Audit, report prepared for Westnet Energy, December 2008

Strategen 2012a, DBNGP Stage 5 Looping Expansion Project- 2011 Annual Environmental Compliance Report (Statement No. 735), report prepared for DBNGP (WA) Nominees Pty Ltd, July 2012

Strategen 2012b, Dampier Bunbury Natural Gas Pipeline Stage 5 Looping Expansion Project Five-year Performance Review (2007-2012), report prepared for DBNGP (WA) Nominees Pty Ltd, August 2012.

Strategen 2014, DBNGP Stage 5 Looping Expansion Project- 2013 Annual Environmental Compliance Report (Statement No. 735), report prepared for DBNGP (WA) Nominees Pty Ltd, March 2014.

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# APPENDIX A: STATEMENT OF COMPLIANCE

**Statement of Compliance**

**1 Proposal and Proponent Details**

Proposal Title	<i>Dampier to Bunbury Natural Gas Pipeline Stage 5 Expansion</i>
Statement Number	735
Proponent Name	<i>DBNGP (WA) Nominees Pty Ltd trading as Dampier Bunbury Pipeline</i>
Proponent's Australian Company Number (where relevant)	

**2 Statement of Compliance Details**

Reporting Period	14/12/14 to 13/12/15
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Implementation phase(s) during reporting period (please tick ✓ relevant phase(s))			
Pre-construction	<input type="checkbox"/>	Construction	<input type="checkbox"/>
		Operation	<input checked="" type="checkbox"/>
		Decommissioning	<input type="checkbox"/>

Audit Table for Statement addressed in this Statement of Compliance is provided at Attachment:	2
<p>An audit table for the Statement addressed in this Statement of Compliance must be provided as Attachment 2 to this Statement of Compliance. The audit table must be prepared and maintained in accordance with the Office of the Environmental Protection Authority's (OEPA) <i>Post Assessment Guideline for Preparing an Audit Table</i>, as amended from time to time. The 'Status Column' of the audit table must accurately describe the compliance status of each implementation condition and/or procedure for the reporting period of this Statement of Compliance. The terms that may be used by the proponent in the 'Status Column' of the audit table are limited to the Compliance Status Terms listed and defined in Table 1 of Attachment 1.</p>	

Were all implementation conditions and/or procedures of the Statement complied with within the reporting period? (please tick ✓ the appropriate box)			
No (please proceed to Section 3)	<input type="checkbox"/>	Yes (please proceed to Section 4)	<input checked="" type="checkbox"/>

Each page (including Attachment 2) must be initialed by the person who signs Section 4 of this Statement of Compliance. INITIALS:

**3 Details of Non-compliance(s) and/or Potential Non-compliance(s)**

The information required Section 3 must be provided for each non-compliance or potential non-compliance identified during the reporting period covered by this Statement of Compliance.

**Non-compliance/potential non-compliance 3-1**

Which implementation condition or procedure was non-compliant or potentially non-compliant?	
Was the implementation condition or procedure non-compliant or potentially non-compliant?	
On what date(s) did the non-compliance or potential non-compliance occur (if applicable)?	
Was this non-compliance or potential non-compliance reported to the General Manager, OEPA?	
<input type="checkbox"/> Yes <input type="checkbox"/> Reported to OEPA verbally Date _____ <input type="checkbox"/> Reported to OEPA in writing Date _____	<input type="checkbox"/> No
What are the details of the non-compliance or potential non-compliance and where relevant, the extent of and impacts associated with the non-compliance or potential non-compliance?	
What is the precise location where the non-compliance or potential non-compliance occurred (if applicable)? (please provide this information as a map or GIS co-ordinates)	
What was the cause(s) of the non-compliance or potential non-compliance?	
What remedial and/or corrective action(s), if any, were taken or are proposed to be taken in response to the non-compliance or potential non-compliance?	
What measures, if any, were in place to prevent the non-compliance or potential non-compliance before it occurred? What, if any, amendments have been made to those measures to prevent re-occurrence?	
Please provide information/documentation collected and recorded in relation to this implementation condition or procedure: <ul style="list-style-type: none"> <li>• in the reporting period addressed in this Statement of Compliance; and</li> <li>• as outlined in the approved Compliance Assessment Plan for the Statement addressed in this Statement of Compliance.</li> </ul> (the above information may be provided as an attachment to this Statement of Compliance)	

For additional non-compliance or potential non-compliance, please duplicate this page as required.

Each page (including Attachment 2) must be initialed by the person who signs Section 4 of this Statement of Compliance. INITIALS:

**4 Proponent Declaration**

I, STUART JOHNSTON, CEO, (full name and position title) declare that I am authorised on behalf of ..... (being the person responsible for the proposal) to submit this form and that the information contained in this form is true and not misleading.

Signature: [Handwritten Signature] Date: 29/2/16

Please note that:

- it is an offence under section 112 of the *Environmental Protection Act 1986* for a person to give or cause to be given information that to his knowledge is false or misleading in a material particular; and
- the General Manager of the OEPA has powers under section 47(2) of the *Environmental Protection Act 1986* to require reports and information about implementation of the proposal to which the statement relates and compliance with the implementation conditions.

**5 Submission of Statement of Compliance**

One hard copy and one electronic copy (preferably PDF on CD or thumb drive) of the Statement of Compliance are required to be submitted to the General Manager, OEPA, marked to the attention of Manager, Compliance Branch.

Please note, the OEPA has adopted a procedure of providing written acknowledgment of receipt of all Statements of Compliance submitted by the proponent, however, the OEPA does not approve Statements of Compliance.

**6 Contact Information**

Queries regarding Statements of Compliance, or other issues of compliance relevant to a Statement may be directed to Compliance Branch, OEPA:

**Manager, Compliance Branch  
Office of the Environmental Protection Authority**

Postal Address: Locked Bag 10  
EAST PERTH WA 6892  
Phone: (08) 6145 0800  
Email: [compliance@epa.wa.gov.au](mailto:compliance@epa.wa.gov.au)

**7 Post Assessment Guidelines and Forms**

Post assessment documents can be found at [www.epa.wa.gov.au](http://www.epa.wa.gov.au) in the following locations:

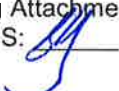
- Post Assessment Guidelines: Home>Policies and Guidelines>Post Assessment Guidelines;
- Post Assessment Forms: Home>Post Assessment Forms.

Each page (including Attachment 2) must be initialed by the person who signs Section 4 of this Statement of Compliance. INITIALS: [Handwritten Initials]


## ATTACHMENT 1

Table 1 Compliance Status Terms

Compliance Status Terms	Abbrev	Definition	Notes
Compliant	C	Implementation of the proposal has been carried out in accordance with the requirements of the audit element.	This term applies to audit elements with: <ul style="list-style-type: none"> <li>ongoing requirements that have been met during the reporting period; and</li> <li>requirements with a finite period of application that have been met during the reporting period, but whose status has not yet been classified as 'completed'.</li> </ul>
Completed	CLD	A requirement with a finite period of application has been satisfactorily completed.	This term may only be used where: <ul style="list-style-type: none"> <li>audit elements have a finite period of application (e.g. construction activities, development of a document);</li> <li>the action has been satisfactorily completed; and</li> <li>the Office of the Environmental Protection Authority (OEPA) has provided written acceptance of 'completed' status for the audit element.</li> </ul>
Not required at this stage	NR	The requirements of the audit element were not triggered during the reporting period.	This should be consistent with the 'Phase' column of the audit table.
Potentially Non-compliant	PNC	Possible or likely failure to meet the requirements of the audit element.	This term may apply where during the reporting period the proponent has identified a potential non-compliance and has not yet finalized its investigations to determine whether non-compliance has occurred.
Non-compliant	NC	Implementation of the proposal has not been carried out in accordance with the requirements of the audit element.	This term applies where the requirements of the audit element are not "complete" have not been met during the reporting period.

Each page (including Attachment 2) must be initialed by the person who signs Section 4 of this Statement of Compliance. INITIALS: 

In Process	IP	Where an audit element requires a management or monitoring plan be submitted to the OEPA or another government agency for approval, that submission has been made and no further information or changes have been requested by the OEPA or the other government agency and assessment by the OEPA or other government agency for approval is still pending.	<p><b>The term 'In Process' may not be used for any purpose other than that stated in the Definition Column.</b></p> <p>The term 'In Process' may not be used to describe the compliance status of an implementation condition and/or procedure that requires implementation throughout the life of the project (e.g. implementation of a management plan).</p>
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Each page (including Attachment 2) must be initialed by the person who signs Section 4 of this Statement of Compliance. INITIALS: 

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# APPENDIX B: MONITORING REPORTS





**Mattiske** Consulting Pty Ltd

## RE: Status of MS735 Stage 5 (5A & 5B) Rehabilitation

### **INTRODUCTION**

The following memorandum has been prepared on behalf of DBNGP (WA) Nominees Pty Limited and serves as an addendum to detailed rehabilitation studies undertaken by Mattiske Pty Ltd (2014, 2015) within MS735 Stage 5 (5A & 5B).

Permanent rehabilitation monitoring sites within MS735 Stage 5 (5A & 5B) were monitored multiple times between 2009 and 2015 for Stage 5A, and 2011 and 2015 for Stage 5B. The current status of each Loop, in relation to compliance, has been based on the most recent years of monitoring (Mattiske Consulting 2014, 2015).

In response to Ministerial Statement Number 735 section 10 (Environmental Protection Authority 2006), and the updated Rehabilitation Management Plan, the following summary has been prepared. For reference, Table 1 outlines specific aspects in the rehabilitation completion criteria for flora and vegetation (DBNGP (WA) Nominees Pty Limited, 2014).

**Table 1: Summary of the rehabilitation completion criteria for flora and vegetation**

Aspect	Completion Criteria	
	General Right-of-Way	Areas of High Conservation Value <sup>1</sup>
Native plant species density	Perennial native plant species density is greater than or equal to 40% of that of the adjacent control area at 36 months.	Perennial native plant species density is greater than or equal to 50% of that of the adjacent control area at 36 months.
Native species richness	Perennial native species richness equals or exceeds 40% of that of the adjacent control area at 36 months.	Perennial native species richness equals or exceeds 50% of that of the adjacent control area at 36 months.
Weed foliage cover	Foliage cover of Declared and Environmental Weeds <sup>2</sup> is not greater than that of the adjacent control area at 12 and 24 months (excluding extensive populations of negligible and low ranking weed species).	Foliage cover of Declared and Environmental Weeds <sup>2</sup> is not greater than that of the adjacent control area at 12 and 24 months (excluding extensive populations of negligible and low ranking weed species).
Native plant foliage cover	Percentage foliage cover of perennial native species indigenous to each vegetation community is greater than or equal to 40% of that of the adjacent control area at 36 months.	Percentage foliage cover of perennial native species indigenous to each vegetation community is greater than or equal to 50% of that of the adjacent control area at 36 months.

<sup>1</sup>Areas of high conservation value include Conservation Parks and Nature Reserves traversed by the DBNGP.

<sup>2</sup>Environmental Weed Ranking: *Environmental Weed Strategy for W.A.* (DPaW, 2013).

## **KEY FINDINGS**

### ***Rehabilitation within Stage 5A in Relation to Completion Criteria***

Table 2 summarises the current status of rehabilitation within MS735 Stage 5A looping expansions in view of recommendations provided in Matiske Consulting Pty Ltd 2014 and 2015. A brief explanation for each recommendation follows Table 2.

**Table 2. Current status of rehabilitation within MS735 Stage 5A looping expansions in view of recommendations provided in Matiske Consulting Pty Ltd 2014 and 2015.**

<b>Loop</b>	<b>GROW/HCV</b>	<b>2014 Survey</b>	<b>2015 Survey</b>
1	GROW	Closure	-
	HCV	Re-monitor	Closure
2	GROW	Closure	-
3	GROW	Closure	-
4	GROW	Closure	-
5	GROW	Closure	-
	HCV	Re-monitor	Closure
6	GROW	Closure	-
7	GROW	Closure	-
8	GROW	Re-monitor	Re-monitor
	HCV	Closure	-
9	GROW	Closure	-
10	GROW	Closure	-

#### **Loop 1**

Following the 2014 survey, rehabilitation within Stage 5A Loop 1 GROW areas satisfied all minimum requirements outlined in the completion criteria and was recommended for closure. However, rehabilitation within Stage 5A Loop 1 HCV areas failed to satisfy both native perennial species density (Control: 1.274 plants/m<sup>2</sup>; Rehabilitation: 0.590 plants/m<sup>2</sup>) and percentage native perennial cover (Control: 0.082 %/m<sup>2</sup>; Rehabilitation: 0.033 %/m<sup>2</sup>); as a result re-monitoring was recommended in 2015 (Matiske Consulting Pty Ltd, 2014). Stage 5A Loop 1 HCV areas showed improvements across all four aspects between 2014 and 2015 surveys and subsequently satisfied all minimum requirements outlined in the completion criteria (Matiske Consulting Pty Ltd, 2015).

Recommendation: Closure.

#### **Loop 2**

Following the 2014 survey, rehabilitation within Stage 5A Loop 2 expansion areas (GROW) satisfied all minimum requirements outlined in the completion criteria (Matiske Consulting Pty Ltd, 2014).

Recommendation: Closure.

#### **Loop 3**

Following the 2014 survey, rehabilitation within Stage 5A Loop 3 expansion areas (GROW) satisfied all minimum requirements outlined in the completion criteria (Matiske Consulting Pty Ltd, 2014).

Recommendation: Closure.

#### **Loop 4**

Following the 2014 survey, rehabilitation within Stage 5A Loop 4 expansion areas (GRoW) satisfied three of the four minimum requirements outlined in the completion criteria. Native perennial species richness and native perennial plant density equalled or exceeded the controls, however, percentage native perennial plant cover failed to meet the minimum requirement (Control: 0.059 %/m<sup>2</sup>; Rehabilitation: 0.022 %/m<sup>2</sup>). Despite this, intervention and/or further monitoring was not recommended as it would be expected that percentage native perennial cover will continue to improve over time, given the strong perennial species richness and plant density results; particularly native perennial plant density which was almost three times that of the controls (Mattiske Consulting Pty Ltd, 2014).

Recommendation: Closure.

#### **Loop 5**

Following the 2014 survey, rehabilitation within Stage 5A Loop 5 expansion areas (GRoW) satisfied all minimum requirements outlined in the completion criteria and was recommended for closure (Mattiske Consulting Pty Ltd, 2014). However, rehabilitation within Stage 5A Loop 5 HCV areas failed to satisfy native perennial species richness targets (Control: 0.032 species/m<sup>2</sup>; Rehabilitation: 0.012 species/m<sup>2</sup>); as a result re-monitoring was recommended in 2015. Stage 5A Loop 5 HCV areas showed improvements between 2014 and 2015 surveys and subsequently satisfied all minimum requirements outlined in the completion criteria (Mattiske Consulting Pty Ltd, 2015).

Recommendation: Closure.

#### **Loop 6**

Following the 2014 survey, rehabilitation within Stage 5A Loop 6 expansion areas (GRoW) satisfied three of the four minimum requirements outlined in the completion criteria. Native perennial species richness and native perennial plant density exceeded the controls, however, percentage native perennial plant cover failed to meet the minimum requirement (Control: 0.096 %/m<sup>2</sup>; Rehabilitation: 0.029 %/m<sup>2</sup>). Despite this, intervention and/or further monitoring was not recommended as it would be expected that percentage native perennial cover will continue to improve over time, given the strong perennial species richness and plant density results (Mattiske Consulting Pty Ltd, 2014).

Recommendation: Closure.

#### **Loop 7**

Following the 2014 survey, rehabilitation within Stage 5A Loop 7 expansions satisfied all minimum requirements outlined in the criteria (Mattiske Consulting Pty Ltd, 2014).

Recommendation: Closure.

#### **Loop 8**

Following the 2014 survey, rehabilitation within Stage 5A Loop 8 HCV areas satisfied all minimum requirements outlined in the criteria and was recommended for closure. However, rehabilitation within Stage 5A Loop 8 GRoW areas failed to satisfy both native perennial species richness (Control: 4.675 species/m<sup>2</sup>; Rehabilitation: 1.617 species/m<sup>2</sup>) and native perennial plant density (Control: 14.483 plants/m<sup>2</sup>; Rehabilitation: 4.533 plants/m<sup>2</sup>); as a result re-monitoring was recommended in 2015 (Mattiske Consulting Pty Ltd, 2014). Stage 5A Loop 8 GRoW areas satisfied three of the four minimum requirements outlined in the completion criteria, with notable improvements in native perennial species richness and plant foliage cover being recorded between 2014 and 2015. Despite these positive results, native perennial plant density in rehabilitation areas (a key indicator) only achieved 32% of that recorded in the corresponding controls (Control: 11.75 plants/m<sup>2</sup>; Rehabilitation: 3.77 plants/m<sup>2</sup>; Mattiske Consulting Pty Ltd, 2015).

Recommendation: Re-monitor Loop 8 (GRoW) areas; closure of Loop 8 (HCV) areas.

### **Loop 9**

Following the 2014 survey, rehabilitation within Stage 5A Loop 9 expansion areas (GRoW) satisfied all minimum requirements outlined in the criteria (Mattiske Consulting Pty Ltd, 2014).

Recommendation: Closure.

### **Loop 10**

Following the 2014 survey, rehabilitation within Stage 5A Loop 10 expansion areas (GRoW) satisfied three of the four minimum requirements outlined in the completion criteria. Native percentage native perennial cover in rehabilitation areas was well below that of the controls (Control: 14.326 %/m<sup>2</sup>; Rehabilitation: 1.088 %/m<sup>2</sup>). This result however, was misleading given that survey sites were located within active pastoral lands. Despite poor native percentage perennial cover results, further monitoring and/or intervention within these areas would seem counterintuitive given that sites were located within active pastoral lands or adjacent to artificial drainage lines. No intact native vegetation is traversed by Stage 5A Loop 10 expansion areas.

Recommendation: Closure.

### **Rehabilitation within Stage 5B in Relation to Completion Criteria**

Table 3 summarises the current status of rehabilitation within MS735 Stage 5B looping expansions in view of recommendations provided in Mattiske Consulting Pty Ltd 2014 and 2015. A brief explanation for each recommendation follows Table 3.

**Table 3. Current status of rehabilitation within MS735 Stage 5B looping expansions in view of recommendations provided in Mattiske Consulting Pty Ltd 2014 and 2015.**

<b>Loop</b>	<b>GROW/HCV</b>	<b>2014 Survey</b>	<b>2015 Survey</b>
0	GROW	Closure	-
1	HCV	Closure	-
2	GROW	Closure	-
3	GROW	Closure	-
4	GROW	Closure	-
5	HCV	Closure	-
6	GROW	Closure	-
7	GROW	Closure	-
8	GROW	Re-monitor	Closure
9	HCV	Re-monitor	Re-monitor
10	GROW	Re-monitor	Closure

#### **Loop 0**

Following the 2014 survey, rehabilitation within Stage 5B Loop 0 expansion areas (GROW) satisfied all minimum requirements outlined in the completion criteria (Mattiske Consulting Pty Ltd, 2014).

Recommendation: Closure.

#### **Loop 1**

Following the 2014 survey, rehabilitation within Stage 5B Loop 1 expansion areas (HCV) satisfied three of the four minimum requirements outlined in the completion criteria. Native perennial species richness and native perennial plant density exceeded that of the controls, however, percentage native perennial plant cover failed to meet the minimum requirement (Control: 0.108 %/m<sup>2</sup>; Rehabilitation: 0.035 %/m<sup>2</sup>). Despite this, intervention and/or further monitoring was not recommended as it would be expected that percentage native perennial cover will continue to improve over time, given the strong perennial species richness and plant density results (Mattiske Consulting Pty Ltd, 2014).

Recommendation: Closure.

#### **Loop 2**

Following the 2014 survey, rehabilitation within Stage 5B Loop 2 expansion areas (GROW) satisfied three of the four minimum requirements outlined in the completion criteria. Native perennial species richness and native perennial plant density were comparable to controls, however, percentage native perennial plant cover failed to meet the minimum requirement (Control: 0.109 %/m<sup>2</sup>; Rehabilitation: 0.032 %/m<sup>2</sup>). Despite this, intervention and/or further monitoring was not recommended as it would be expected that percentage native perennial cover will continue to improve over time, given the strong perennial species richness and plant density results (Mattiske Consulting Pty Ltd, 2014).

Recommendation: Closure.

### **Loop 3**

Following the 2014 survey, rehabilitation within Stage 5B Loop 3 expansion areas (GRoW) satisfied all minimum requirements outlined in the completion criteria (Mattiske Consulting ty Ltd, 2014).

Recommendation: Closure.

### **Loop 4**

Following the 2014 survey, rehabilitation within Stage 5B Loop 4 expansion areas (GRoW) satisfied three of the four minimum requirements outlined in the completion criteria. Native perennial species richness and native perennial plant density performed well against the controls, however, percentage native perennial plant cover failed to meet the minimum requirement (Control: 0.060 %/m<sup>2</sup>; Rehabilitation: 0.018 %/m<sup>2</sup>). Despite this, intervention and/or further monitoring was not recommended as it would be expected that percentage native perennial cover will continue to improve over time, given the strong perennial species richness and plant density results (Mattiske Consulting ty Ltd, 2014).

Recommendation: Closure.

### **Loop 5**

Following the 2014 survey, rehabilitation within Stage 5B Loop 5 expansion areas (HCV) satisfied three of the four minimum requirements outlined in the completion criteria. Native perennial species richness and native perennial plant density performed well against the controls, however, percentage native perennial plant cover failed to meet the minimum requirement (Control: 0.111 %/m<sup>2</sup>; Rehabilitation: 0.042 %/m<sup>2</sup>). Despite this, intervention and/or further monitoring was not recommended as it would be expected that percentage native perennial cover will continue to improve over time, given the strong perennial species richness and plant density results (Mattiske Consulting ty Ltd, 2014).

Recommendation: Closure.

### **Loop 6**

Following the 2014 survey, rehabilitation within Stage 5B Loop 6 expansion areas (GRoW) satisfied all minimum requirements outlined in the completion criteria (Mattiske Consulting ty Ltd, 2014).

Recommendation: Closure.

### **Loop 7**

Following the 2014 survey, rehabilitation within Stage 5B Loop 7 expansion areas satisfied all minimum requirements outlined in the completion criteria (Mattiske Consulting ty Ltd, 2014).

Recommendation: Closure.

### **Loop 8**

Following the 2014 survey, rehabilitation within Stage 5B Loop 8 expansion areas satisfied two of the four minimum requirements outlined in the completion criteria. Both native perennial species richness (Control: 3.96 species/m<sup>2</sup>; Rehabilitation: 1.40 species/m<sup>2</sup>) and native perennial plant density (Control: 28.46 plants/m<sup>2</sup>; Rehabilitation: 8.72 plants/m<sup>2</sup>) were substantially lower in rehabilitation areas when compared to the controls; as a result re-monitoring was recommended in 2015 (Mattiske Consulting Pty Ltd, 2014). Loop 8 rehabilitation areas showed marked improvements in native perennial species richness, plant density and plant foliage cover between 2014 and 2015; subsequently, these areas satisfied all minimum requirements outlined in the completion criteria (Mattiske Consulting Pty Ltd, 2015).

Recommendation: Closure.

## Loop 9

Following the 2014 survey, rehabilitation within Stage 5B Loop 9 expansion areas (HCV) only satisfied one of the four minimum requirements outlined in the completion criteria. Native perennial species richness (Control: 2.50 species/m<sup>2</sup>; Rehabilitation: 0.93 species/m<sup>2</sup>), native perennial plant density (Control: 8.47 plants/m<sup>2</sup>; Rehabilitation: 3.32 plants/m<sup>2</sup>) and percentage native perennial plant cover (Control: 16.92 %/m<sup>2</sup>; Rehabilitation: 4.09 %/m<sup>2</sup>) were substantially lower in rehabilitation areas when compared to the controls; as a result re-monitoring was recommended in 2015 (Mattiske Consulting Pty Ltd, 2014). Loop 9 rehabilitation areas showed improvements between 2014 and 2015, however, rehabilitation areas still failed to attain the 50% compliance standard outlined in the completion criteria for native species richness (Control: 2.75 species/m<sup>2</sup>; Rehabilitation: 1.14 species/m<sup>2</sup>), percentage native plant foliage cover (Control: 15.89 %/m<sup>2</sup>; Rehabilitation: 6.99 %/m<sup>2</sup>) and percentage weed foliage cover (Control: 0.04 %/m<sup>2</sup>; Rehabilitation: 0.06 %/m<sup>2</sup>; Mattiske Consulting Pty Ltd, 2015).

Recommendation: Re-monitor Loop 9 HCV areas.

## Loop 10

Following the 2014 survey, rehabilitation within Stage 5B Loop 10 expansion areas (GRoW) satisfied two of the four minimum requirements outlined in the completion criteria. Both native perennial plant density (Control: 17.50 plants/m<sup>2</sup>; Rehabilitation: 3.67 plants/m<sup>2</sup>) and percentage perennial plant cover (Control: 10.65 %/m<sup>2</sup>; Rehabilitation: 3.67 %/m<sup>2</sup>) were substantially lower in rehabilitation areas when compared to the controls; as a result re-monitoring was recommended in 2015 (Mattiske Consulting Pty Ltd, 2014). Loop 10 rehabilitation areas showed marked improvements in native perennial species richness, plant density and plant foliage cover between 2014 and 2015; subsequently, these areas satisfied all minimum requirements outlined in the completion criteria (Mattiske Consulting Pty Ltd, 2015).

Recommendation: Closure.

## REFERENCES

DBNGP (WA) Nominees Pty Limited (2014)

*Dampier to Bunbury Natural Gas Pipeline Stage 5 Expansion Rehabilitation Management Plan, Revision 2*, Unpublished report prepared by DBP (July, 2014)

Department of Parks and Wildlife (2013; currently under review)

*Environmental Weed Strategy for Western Australia*, viewed 5<sup>th</sup> February 2016.

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Environmental Protection Authority (2006)

Statement Number 000735. Statement that a Proposal may be Implemented (Pursuant to the Provisions of the Environmental Protection Act 1986), *Dampier to Bunbury Natural Gas Pipeline Stage 5 Expansion*.

Mattiske Consulting Pty Ltd (2014)

*Dampier to Bunbury Natural Gas Pipeline (DBNGP) Flora and Vegetation Assessment of Stage 4, 5A & 5B Control and Rehabilitation Areas*. Prepared for DBNGP (WA) Nominees Pty Ltd, October 2014.

Mattiske Consulting Pty Ltd (2015)

*Dampier to Bunbury Natural Gas Pipeline (DBNGP) Reassessment of Selected Stage 4, 5A & 5B Control and Rehabilitation Areas*. Prepared for DBNGP (WA) Nominees Pty Ltd, November 2015.



# **DAMPIER TO BUNBURY NATURAL GAS PIPELINE STAGE 5 EXPANSION**

**2016 Annual Compliance Report  
(Ministerial Statement 735)**

**Revision 0  
March 2017**



Rev	Date	Description
0.1	27/02/2017	Initial draft
0	13/03/2017	Initial Report for Submission

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## 1. INTRODUCTION

This report addresses the status and compliance of the Dampier to Bunbury Natural Gas Pipeline (DBNGP) Stage 5 Expansion with the conditions in Statement 735. This report has been prepared for the purpose of meeting the requirements of conditions 4–1 to 4–4 of the Statement, which is to submit annual compliance reports. This report covers the reporting period from 14 December 2015 to 13 December 2016.

### 1.1 Project Background

The DBNGP Stage 5 Looping Expansion project involved construction of eleven pipeline loops adjacent (and connected) to the existing DBNGP. Completion of the expansion resulted, ultimately, in completion of duplication of the pipeline from Dampier to Wagerup. The key characteristics of the proposal are presented in Table 1. The Stage 5 Looping Expansion project, which continues from Stage 4 (completed in 2006), involved a total length of approximately 1270 km of pipeline.

The proposal for the Stage 5 Looping Expansion was approved for implementation under Part IV of the *Environmental Protection Act 1986* (EP Act) with the issue of Statement No. 735 (the Statement) on 13 December 2006. A change to the proposal under s 45C of the EP Act to allow for construction within additional easements granted for the purposes of the DBNGP was approved on 5 August 2011. DBNGP (WA) Nominees Pty Limited, trading as Dampier Bunbury Pipeline (DBP), is the Proponent of the DBNGP Stage 5 Looping Expansion project.

The Statement requires submission of an annual compliance report to address the status and compliance of the DBNGP Stage 5 Looping Expansion project with Statement conditions and key actions in accordance with the annual compliance reporting requirements of conditions 4–1 to 4–4 of the Statement.

Implementation of the Stage 5 project commenced in February 2007 and was undertaken in three stages. The first stage (Stage 5A) was completed in March 2008. Stage 5B commenced in January 2009 and was effectively completed in early 2010, with the exception of the crossing of the Fortescue River. The Fortescue River Crossing section was undertaken over the period August 2011 to December 2011 inclusive. WestNet Energy (previously Alinta Asset Management) was contracted by DBP to provide project management for Stages 5A and 5B of the DBNGP Looping Expansion Project. DBP undertook project management of the Fortescue River crossing.

### 1.2 The Proposal

Table 1 presents the key characteristics of the proposal as presented in the environmental impact assessment report (Strategen 2006).

DBNGP (WA) Nominees Pty Limited trading as Dampier Bunbury Pipeline (DBP) remains the Proponent of the DBNGP Stage 5 Looping Expansion project and there has been no change in responsibility for proponentcy.

**Table 1: Key characteristics of the Stage 5 Looping Expansion**

Aspect	Proposal			
Location	There will be eleven loops. The first loop starts at about 2 km south of Dampier. The last loop is south of compressor station 10, which starts at about 17 km southeast of Rockingham, and ends at Wagerup West (Main Line Valve 144).			
Proposed action	Construct eleven pipeline looping lengths of 660 mm in diameter, buried adjacent to the existing DBNGP. These pipeline lengths will be looped to the existing DBNGP to increase flow of natural gas.			
Total length of looping	Approximately 1270 km			
Characteristics of each loop	No.	Approx. length	Biogeographical region	Shires
	0	137.2 km	Pilbara	Shire of Roebourne
	1	123.3 km	Pilbara	Shire of Ashburton
	2	104.9 km	Carnarvon, Gascoyne	Shire of Ashburton
	3	113.0 km	Carnarvon, Gascoyne	Shire of Carnarvon
	4	112.9 km	Carnarvon	Shire of Carnarvon, Shire of Upper Gascoyne
	5	119.0 km	Carnarvon, Yalgoo	Shire of Shark Bay

	6	131.0 km	Yalgoo, Geraldton Sandplains	Shire of Northampton, Shire of Chapman Valley, Shire of Mullewa
	7	142.4 km	Geraldton Sandplains	Shire of Mullewa, Shire of Irwin, Shire of Carnamah
	8	96.8 km	Geraldton Sandplains, Swan Coastal Plain	Shire of Coorow, Shire of Dandaragan, Shire of Gingin
	9	127.7 km	Swan Coastal Plain	Shire of Gingin, Shire of Chittering, City of Swan, City of Belmont, Shire of Kalamunda, City of Gosnells, City of Armadale, City of Cockburn, Town of Kwinana
	10	61.5 km	Swan Coastal Plain	Shire of Serpentine–Jarrahdale, Shire of Murray, Shire of Waroona
Proposed tenure	The completed pipeline will be wholly within the existing DBNGP easement, which is gazetted under the <i>Dampier to Bunbury Pipeline Act 1997</i> and the easement identified as Easement A as shown on the deposited plan numbered DP67493.			
DBNGP easement width	The existing DBNGP corridor is 30 m wide. The area to be cleared and graded in the northern loops (Dampier to Muchea) will be approximately 30 m and south of Muchea; the area cleared will be 20 to 30 m. In environmentally sensitive areas, working widths will be 20 m. Additional easements may vary in width and all clearing will be subject to the conditions of the Ministerial Statement.			
Activities outside the DBNGP easement	Turnarounds, campsites, turkey nests*, laydown areas, water supply sources, access roads, works associated with watercourse and dune crossings.			
Temporary area of disturbance within DBNGP easement	Approximately 3175 ha, all to be rehabilitated in consultation with landowners.			
Estimated area of vegetation clearing within DBNGP easement	Approximately 1264 ha, all to be rehabilitated in consultation with landowners.			
Temporary area of disturbance outside the DBNGP easement	Approximately 139 ha, all to be rehabilitated in consultation with landowners.			
Construction duration	The Stage 5 Expansion will be constructed in stages, with Stage 5A commencing in February 2007. The subsequent stages will be constructed to match the increasing demand in fuel gas, and full looping is expected to be substantially completed within five years of approval.			
Construction workforce	Up to 900 people			

\* Turkey nests are artificially created water storages constructed by hollowing out an area of land and using the fill to build up its sides.

### 1.3 Environmental approval to implement the project

DBP was granted environmental approval for the DBNGP Stage 5 Looping Expansion proposal under Part IV of the EP Act. The Minister for Environment approved the proposal on 13 December 2006 with the release of Statement No. 735, which includes environmental conditions under which the proposal is to be implemented. Of the 72 environmental conditions, the majority of conditions relate to the preparation and implementation of management plans addressing areas of potential environmental risk identified during the assessment.

The required management plans were prepared and consolidated as management protocols into a Construction Environmental Management Plan (CEMP) (DBP 2011). The CEMP addressed a number of environmental factors additional to those required under the Statement, in order to meet the requirements of all environmental regulators.

## 2. CURRENT STATUS

The DBNGP Stage 5 Looping Expansion is being constructed in stages, the first of which was Stage 5A, which commenced in February 2007 and was completed in March 2008. Stage 5B was commenced in January 2009 and completed in November 2011.

The statistics related to implementation of the proposal as at 13 December 2013 is summarised in Table 2 below. Of the total 1270 km of the Stage 5 approved proposal, 1011 km have now been constructed.

**Table 2: Progress of DBNGP Stage 5 Looping Expansion Project**

Loop	Stage 5A		Stage 5B	
	Loop Lengths (km)*	Status of Loops	Loop Lengths (km)*	Status of Loops
Loop 0	0.0	No construction in Loop 0 undertaken in Stage 5A	114.9	Complete
Loop 1	74.0	Complete	32.9	Complete
Loop 2	57.8	Complete	31.9	Complete
Loop 3	60.3	Complete	34.6	Complete
Loop 4	61.9	Complete	33.6	Complete
Loop 5	63.7	Complete	34.0	Complete
Loop 6	70.5	Complete	35.8	Complete
Loop 7	60.4	Complete	44.0	Complete
Loop 8	55.3	Complete	21.8	Complete
Loop 9	52.0	Complete	23.4	Complete
Loop 10	15.1	Complete	33.3	Complete
TOTAL	571.1		440.2	

Completion of Stage 5A was considered to be evidence of substantial commencement of the project as required under Condition 3–2, as reported in the 2007 compliance report (DBP 2008).

As outlined in the 2007 compliance report (DBP 2008), the above description satisfies the requirements of condition 4–3(8).

This report has been prepared to demonstrate compliance with the Statement conditions for the period from 14 December 2015 to 13 December 2016 inclusive. The report comprises the findings of an audit of compliance with:

- conditions and procedures contained within the Statement as required by Condition 4–3(2) of the Statement
- key actions contained within management plans or programs as required by Conditions 4–3(4) of the Statement.

As Stage 5A of the proposal was completed in March 2008 and Stage 5B was completed in November 2011, no construction activities were conducted during the reporting period 14 December 2015 to 13 December 2016.

### 3. AUDIT METHODOLOGY

#### 3.1 Purpose and scope

The purpose of this document is to enable compliance with conditions 4–1 to 4–4 of Statement No. 735:

*4–1 The proponent shall submit to the CEO environmental compliance reports annually reporting on the previous twelve-month period, unless required by the CEO to report more frequently.*

*Note: Annual reporting shall continue until such time as the Minister for the Environment determines on advice from the Environmental Protection Authority that the proponent has fulfilled its responsibilities in relation to the conditions within this Statement.*

*4–2 The environmental compliance reports shall address each element of an audit program approved by the CEO and shall be prepared and submitted in a format acceptable to the CEO.*

*4–3 The environmental compliance reports shall:*

- 1. be endorsed by signature of the proponent's Chairman or a person, approved in writing by the Chairman, delegated to sign on behalf of the proponent's Chairman;*
- 2. state whether the proponent has complied with each condition and procedure contained in this statement;*
- 3. provide verifiable evidence of compliance with each condition and procedure contained in this statement;*
- 4. state whether the proponent has complied with each key action contained in any environmental management plan or program required by this statement;*
- 5. provide verifiable evidence of conformance with each key action contained in any environmental management plan or program required by this statement;*
- 6. identify all non-compliances and non-conformances and describe the corrective and preventative actions taken in relation to each non-compliance or non-conformance;*
- 7. provide an assessment of the effectiveness of all corrective and preventative actions taken; and*
- 8. describe the state of implementation of the proposal.*

*4–4 The proponent shall make the environmental compliance reports required by condition 4–1 publicly available in a manner approved by the CEO.*

The report has been prepared by DBP for submission to the Chief Executive Officer (CEO) of the Office of the Environmental Protection Authority (OEPA) (formerly, for compliance reporting, the Department of Environment and Conservation (DEC)) to meet the requirements of condition 4–1 of Statement No. 735 for submission of an annual compliance report.

Key actions of a number of management plans were adopted by DBP for inclusion in annual compliance reports on Stage 5A, which were accepted by the DEC (now OEPA) and have been used for all subsequent compliance reporting. However, the majority of these key actions have not been assessed in this audit as no construction has occurred during this audit period.

It is also noted that where a previous Compliance Report has indicated a condition was 'Completed' the evidence associated with the previous audit determination has been accepted without verification.

#### 3.2 Methodology

The audit was conducted in February 2017.

The required reporting includes "whether the proponent has complied with each condition and procedure contained within the statement" and "conformed with each key action" (conditions 4–3(2) and 4–3(4) respectively). This section describes how compliance with each condition and conformance with key actions has been audited and reported.

Where evidence has been presented in previous compliance reports, it has not been included with this report to minimise the bulk of reporting. Audit results relating to the Statement conditions and key actions are summarised in Section 4 and detailed audit results presented in Section 5.

Where potential non-compliances have been identified, the corrective and preventative actions taken are described and an assessment of their effectiveness as required by conditions 4-3(6) and 4-3(7) is provided in Section 4.3.

#### *Compliance with Statement No. 735*

An audit of compliance with the conditions and procedures of the Statement was conducted and a compliance status rating was applied in accordance with terminology described in Section 3.3. The full audit is presented in Section 5.1.

#### *Conformance with key actions*

Condition 4-3(4) requires DBP to report on conformance with each key action contained within any management plan or program required by Statement No. 735. The conformance status rating was also applied in accordance with the Section 3.3 terminology.

Environmental management is primarily achieved through implementation of the CEMP, which contains a number of management protocols<sup>1</sup> that directly relate to all the construction requirements of the Statement conditions. These protocols include a range of additional specific management actions reflecting good management. A number of the management actions within the CEMP directly reflect specific prescriptive conditions within the Statement.

Key actions from the CEMP have been identified as being:

- those management actions in the CEMP protocols implemented to manage a condition of the Statement
- those management actions in CEMP protocols that reflect a key intent of a condition of the Statement.

Using the above definition, key actions have been derived and audited. These key actions have been adopted for all compliance reporting to date.

#### *Corrective and preventative actions*

Statement conditions 4-3(6) and 4-3(7) require descriptions of corrective and preventative actions taken in relation to each non-compliance or non-conformance, together with assessments of their effectiveness. These are presented in Section 4.3.

#### *Evidence verification*

Evidence to substantiate compliance with conditions contained within Statement No. 735 and key actions contained within the management plans or programs as required by conditions 4-3(3) and 4-3(5) has been sourced from previous compliance reports and other documentation.

### **3.3 Audit terminology**

The 'Status' field of the audit table (refer to Section 5) describes the implementation of the action and compliance with the condition, procedure or commitment. Although the CEO of the OEPA makes the final determination of compliance, it is necessary to update this field each reporting period, as the project progresses. The OEPA (2012a, 2012b, 2012c and 2012d) has prepared updated guidance related to the preparation of compliance audits, including generic expressions that are used to identify the status of each item (Table 3).

**Table 3: Action implementation status (Source: adapted from OEPA (2012b))**

Status	Description
Compliant (Conformant)	Implementation of the proposal has been carried out in accordance with requirements of the audit. (Conformant – as above in relation to actions of management plans / programmes)
Completed	A requirement with a finite period of application has been satisfactorily completed.
Not required at this stage	The requirements of the audit element were not triggered during the reporting period.
Potentially non-compliant (Potentially non-conformant)	Possible or likely failure to meet the requirements of the audit element. (Potentially non-conformant – as above in relation to actions of management plans / programmes)

<sup>1</sup>The management protocols in the CEMP include all the environmental management plans required under Statement No. 735 to be prepared for implementation of the proposal.



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Status	Description
In process	Where an audit element requires a management or monitoring plan be submitted to the OEPA or another government agency for approval, that submission has been made and no further information or changes have been requested by the OEPA or the other government agency and assessment by the OEPA or other government agency for approval is still pending.



## 4. AUDIT RESULTS

This report has been prepared to address the status and compliance of the proposal with the conditions in the Statement in accordance with the annual compliance reporting requirements of conditions 4–1 to 4–4 of the Statement. The report considers the extent of compliance with each of the 72 conditions, and the extent of conformance with the 42 actions within approved management plans required under various conditions and determined to be key actions.

### 4.1 Compliance with Statement No 735 conditions

The detailed results of the audit of Statement 735 are presented in Section 5.1 (Table 6). Condition 1-1 of Statement 735 requires implementation of the proposal as documented in Schedule 1 of the Statement. As no construction occurred during this audit period and a previous audit (Strategen 2014) determined that there were no potential non-compliances with Schedule 1, this has not been audited during this audit period.

#### *Rehabilitation*

On 18<sup>th</sup> December 2014, DBP issued Revision 5 to the Rehabilitation Management Plan (Rev 5) developed in consultation with the Department of Parks and Wildlife (DPaW) and Department of Mines and Petroleum (DMP) to improve the relevance of the completion criteria. On 4<sup>th</sup> February 2015, EPA endorsed this revision. Rehabilitation results for the 2016 reporting period demonstrated rehabilitation success against the revised criteria for the remaining site under Stage 5A. Results identified that all criteria for Loop 8 General Right of Way (GRoW) were met (Mattiske 2016, Appendix B) and thus recommended cessation of further monitoring.

**Stage 5A:** *Stage 5A Loop 8 GRoW rehabilitation areas showed improvements in native perennial species richness and plant density following the 2016 survey. Native perennial foliage cover remained largely static between the 2015 and 2016 surveys. Consequently, these areas satisfied all minimum requirements outlined in the completion criteria and are therefore recommended for closure.*

The remaining Stage 5B site (Loop 9, High Conservation Value (HCV) was not assessed within the reporting period and will be reassessed in 2017 as additional time to achieve the criteria was deemed to be required.

The results and recommendations presented in these reports are summarised within Table 4 below. The rehabilitation monitoring report has been provided as Appendix B.

**Table 4: Summary of Stage 5A Rehabilitation Monitoring Results and Recommendations**

Loop	GRoW/HCV	Species Richness	Plant Species Density	Plant Foliage Cover	Weed Foliage Cover	Recommendation
8	GRoW	Pass	Pass	Pass	Pass	Cease monitoring (criteria met)

**4.2 Conformance with key actions**

Condition 4–3(4) of Statement No. 735 requires the proponent to demonstrate compliance with key actions contained in any environmental management plan or program required by the Statement. As the key actions all relate to construction activities and no such activities were undertaken during the report period, this condition is considered to be Not Applicable (N/A) to this report.

**4.3 Corrective actions**

No corrective actions have been undertaken as there were no non-compliances identified this audit period.

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## 5. AUDIT TABLES

### 5.1 Statement No. 735 Summary Audit Tables

Table 6 has been produced to meet condition 4–3(2) of Statement No. 735.

Where conditions have been previously reported as completed they have been 'greyed out' in the compliance audit report.

Table 5: Results of audit of Statement No. 735

Audit code	Subject	Action	How	Objective	Phase/Timing	Criteria	Evidence	Finding	Status	
735:M1.1	Implementation	Implement the proposal as documented and described in schedule 1 of Statement 735 subject to the conditions and procedures of this statement.	Establish and implement an auditing compliance reporting system.	To avoid unforeseen or unassessed impacts	Overall	-	R_004_2011 DBNGP Stage 5 looping expansion project AECR_01072012 R_001_DBNGP Stage 5 Looping Expansion Project 2013 Annual Environmental Compliance Report (Statement No. 735)_01032014 DBNGP Stage 5 Looping Expansion Project 2016 Annual Compliance Report (Statement No. 735)	Refer to the 2011 Annual Compliance Report (ACR) (Strategen 2012a) with respect to implementation as described in Schedule 1 of Statement No. 735. No additional construction has occurred since the audit period reported in the 2013 ACR. The implementation of the project is now in operational phase rather than construction.	Compliant	
735:M2.1	Nominated proponent	Implement the proposal until such time as the Minister for the Environment nominates another person as the proponent.	Establish and implement auditing compliance reporting system.	To ensure responsibility rests with the nominated proponent	Overall	Has Minister nominated another person as proponent?	DBNGP Stage 5 Looping Expansion Project 2016 Annual Compliance Report (Statement No. 735)	DBP remains the proponent and has an annual audit compliance reporting system in place.	Compliant	
735:M2.2	Proponent contact details	Notify the Chief Executive Officer of the DEC (CEO) of any change of the contact name and address for the serving of a notice or other correspondence within 30 days of such change.	Written notification.	To enable the DEC to maintain contact with the proponent	Overall	Has the contact name and address for the serving of a notice or other correspondence for the project changed since approval; if so, was the Chief Executive Officer of the DEC (CEO) informed within 30 days of such change.	Website and ASIC records indicate that contact name and address have not changed since Loop 10 compliance audit in 2008.	The contact address for DBP has not changed.	Compliant	
735:M3.1	Authorisation limit	Substantially commence the proposal before 13 December 2011 to avoid lapse of authorisation.	Written notification.	To keep DEC informed of project status	Construction	Substantial construction commenced	R_003_DBNGP Stage 5 Looping Expansion Project 2007 Annual Environmental Compliance Report_01052008	Condition satisfied as reported in the 2007 annual compliance report (DBP 2008).	Completed	
735:M3.2	Commencement	Provide the CEO with written evidence which demonstrates that the proposal has substantially commenced on or before the 13 December 2011.	Written notification.	To keep DEC informed of project status	Construction	Substantial construction commenced	R_003_DBNGP Stage 5 Looping Expansion Project 2007 Annual Environmental Compliance Report_01052008	Condition satisfied as reported in the 2007 annual compliance report (DBP 2008).	Completed	
735:M4.1	Compliance reporting - submitting	Submit to the CEO environmental compliance reports reporting on the previous twelve-month period. (Annual Environmental Compliance Report [AECR])	Reports shall address that required by condition 4-2 and condition 4-3.	To provide evidence that the proposal is being implemented and conditions are being met	Overall	Annually unless required by the CEO to report more frequently. Annual reporting shall continue until such time as the Minister for the Environment determines on advice from the EPA that the proponent has fulfilled its responsibilities in relation to the conditions within this statement.	2013 ACR covering period 14 Dec 2012 to 13 Dec 2013 2014 ACR covering period 14 Dec 2013 to 13 Dec 2014 2015 ACR covering period 14 Dec 2014 to 13 Dec 2015 2016 ACR covering period 14 Dec 2015 to 13 Dec 2016 (this report)	DBNGP Stage 5 Looping Expansion Project 2016 Annual Compliance Report (Statement No. 735)	A signed copy of the 2015 ACR (DBNGP 2015) dated March 2016 was provided. The report covered the period from 14 December 2014 to 13 December 2015. This ACR is considered relevant to the auditing period covered by this audit report. This audit report is intended to satisfy the requirements for reporting up until 13 December 2016.	Compliant
735:M4.2	Audit Program	Prepare an audit program.	Develop an audit table listing implementation conditions and detail how these will be met. Develop criteria and standards that will be used to measure compliance.	To develop a system of monitoring implementation and environmental performance of the proposal	Design	Audit Table prepared to the satisfaction of the CEO, DEC.	R_003_DBNGP Stage 5 Looping Expansion Project 2007 Annual Environmental Compliance Report_01052008	An Audit Program was prepared and signed-off by DEC. Relevant correspondence was sighted in a previous Compliance Audit.	Completed	

Audit code	Subject	Action	How	Objective	Phase/Timing	Criteria	Evidence	Finding	Status
735:M4.3	Annual environmental compliance reporting - preparation	<p>The environmental compliance reports shall:</p> <ol style="list-style-type: none"> <li>1. Be endorsed by signature of the proponent's Chairman or a person, approved in writing by the Chairman, delegated to sign on behalf of the proponent's Chairman.</li> <li>2. State whether the proponent has complied with each condition and procedure contained in Statement 735.</li> <li>3. Provide verifiable evidence of compliance with each condition and procedure contained in Statement 735.</li> <li>4. State compliance with each key action contained in any environmental management plan or program required by Statement 735.</li> <li>5. Provide verifiable evidence of conformance with each key action contained in any environmental management plan or program required by Statement 735.</li> <li>6. Identify all non-compliances and non-conformances and describe the corrective and preventative actions taken in relation to each non-compliance or non-conformance.</li> <li>7. Provide an assessment of the effectiveness of all corrective and preventative actions taken.</li> <li>8. Describe the state of implementation of the proposal.</li> </ol>	Reports presented to satisfy this condition with respect to the content.	To provide evidence that the proposal is being implemented and conditions are being met	Overall	<p>2013 AECR covering period 14 Dec 2012 to 13 Dec 2013</p> <p>2014 ACR covering period 14 Dec 2013 to 13 Dec 2014</p> <p>2015 ACR covering period 14 Dec 2014 to 13 Dec 2015)</p> <p>2016 ACR covering period 14 Dec 2015 to 13 Dec 2016 (this report)</p>	R_001_DBNGP Stage 5 Looping Expansion Project 2013 Annual Environmental Compliance Report (Statement No. 735)_01032014	<p>A signed copy of the 2015 ACR (DBNGP 2015) dated March 2016 was provided. The report covered the period from 14 December 2014 to 13 December 2015.</p> <p>This ACR is considered relevant to the auditing period covered by this audit report.</p> <p>This audit report is intended to satisfy the requirements for reporting up until 13 December 2016.</p>	Compliant
735:M4.4	Annual environmental compliance reporting – public availability	Make the environmental compliance reports (AECRs) publicly available.	<p>Carry out the following:</p> <ol style="list-style-type: none"> <li>1. Provide copies of the documentation to the DEC library</li> <li>2. Post the document on the proponent's website.</li> </ol>	To ensure that the public is kept informed of the proposal and compliance with conditions	Overall Annually	As approved by the CEO.	<p>R_001_DBNGP Stage 5 Looping Expansion Project 2015 Annual Environmental Compliance Report (Statement No. 735)</p> <p><a href="http://www.dbp.net.au/hse/environment/">http://www.dbp.net.au/hse/environment/</a></p>	<p>A signed copy of the 2015 AER (DBNGP 2015) dated March 2016 was provided. The report covered the period from 14 December 2014 to 13 December 2015.</p> <p>AER's for the last several years are provided on the company's website to enable public availability.</p>	Compliant

Audit code	Subject	Action	How	Objective	Phase/Timing	Criteria	Evidence	Finding	Status
735:M5.1	Performance review – prepare and submit	Submit a Performance Review report every five years after the start of construction to the EPA, which addresses: 1. The major environmental issues associated with implementing the project; the environmental objectives for those issues; the methodologies used to achieve these; and the key indicators of environmental performance measured against those objectives. 2. The level of progress in the achievement of sound environmental performance, including industry benchmarking, and the use of best available technology where practicable. 3. Significant improvements gained in environmental management, including the use of external peer reviews. 4. Stakeholder and community consultation about environmental performance and the outcomes of that consultation, including a report of any on-going concerns being expressed. 5. The proposed environmental objectives over the next five years, including improvements in technology and management processes.	The Performance Review report will address the required actions.	To provide evidence of environmental performance and to identify aspects that may require environmental improvements	Overall Every 5 years after the start of construction	-	N/A	The 2007 AECR noted commencement of construction in February 2007. DBNGP Stage 5 Looping Expansion Project Five Year Performance Review (2007-2012) (Strategen 2012b) was provided to the OEPA on 3 August 2012 (previous audit period) A 5 year review will be undertaken within the next reporting period (2017) to meet this obligation.	Not required at this stage
735:M5.2	Performance review – public availability	Make the Performance Review reports publicly available.	Carry out the following: 1. Provide copies of the documentation to the DEC library 2. Post the document on the proponent's website	To ensure that the public is kept informed of the environmental performance of the proponent	Overall Every 5 years after the start of construction	-	<a href="http://www.dbp.net.au/hse/environment/">http://www.dbp.net.au/hse/environment/</a>	DBNGP Stage 5 Looping Expansion Project Five Year Performance Review (2007-2012) (Strategen 2012b) was provided to the OEPA on 3 August 2012 (previous audit period). The 2007-2012 Performance Review is provided on the company's website to enable public availability.	Compliant
735:M6.1	Compliance audit - submit	Submit a written compliance audit report to the CEO within 30 days of the conclusion of the construction of each loop section.	The report shall address that outlined in condition 6-2, 6-3 and 6-4.	To provide evidence that the conditions are being met within each loop section	Overall Within 30 days of construction completion in each loop section	Completion of each loop section is considered to be at the time of hand over of the loop from DBP Construction to Operations.	N/A	Previously reported and no further construction will be undertaken at this stage	Not required at this stage
735:M6.2	Compliance report - prepare	The compliance audit report shall outline identified non-compliances against the conditions of Statement 735.	-	To provide evidence that the conditions are being met within each loop section	Overall	-	N/A	Previously reported and no further construction will be undertaken at this stage	Not required at this stage
735:M6.3	Compliance report - prepare	The report shall be endorsed by signature of the proponent's Chairperson or a person approved in writing by the Chairperson, delegated to sign on behalf of the proponent's Chairperson.	-	To provide evidence that the conditions are being met within each loop section	Overall Within 30 days of construction completion in each loop section	-	N/A	Previously reported and no further construction will be undertaken at this stage	Not required at this stage
735:M6.4	Compliance report - prepare	The report shall include the date, time and location of the non-compliances, the reason for the non-compliances, actions taken to remedy non-compliances and details of management measures implemented to reduce the risk of future non-compliances	Establish and implement auditing compliance reporting system.	To provide evidence that the conditions are being met within each loop section	Overall Within 30 days of construction completion in each loop section	-	N/A	Previously reported and no further construction will be undertaken at this stage	Not required at this stage

Audit code	Subject	Action	How	Objective	Phase/Timing	Criteria	Evidence	Finding	Status
735:M7.1	Spring flora surveys	Submit a report to the CEO, which details the results of the spring flora, surveys undertaken in 2006.	This report shall: 1. Record the location of any Declared Rare Flora, Priority Flora and other species of conservation significance. 2. Identify any Threatened Ecological Communities and other environmentally sensitive areas. 3. Describe the habitat in which specially protected or conservation-significant flora species were found, and the extent of the contiguous area of the same habitat in the local area. 4. Specify the degree of impact of the proposed works on specially protected or conservation-significant flora species, its identified contiguous habitat or Threatened Ecological Communities and other environmentally sensitive areas.	To determine if conservation significant species occur within the proposal area and the potential impact on them	Design Prior to the commencement of vegetation clearing	Survey shall be conducted in accordance with Guidance Statement No. 51 (EPA 2004)	R_003_DBNGP Stage 5 Looping Expansion Project 2007 Annual Environmental Compliance Report_01052008	Condition satisfied as reported in the 2007 annual compliance report (DBP 2008).	Completed
735:M7.2	Flora and Vegetation Management Plan - preparation	Prepare a Flora and Vegetation Management Plan, in consultation with the DEC.	The Plan shall: 1. Identify the proposed management strategy for the protection of Declared Rare Flora, Priority Flora, Threatened Ecological Communities, other conservation significant species and other environmentally sensitive areas identified. 2. Include a post-activity monitoring plan for specially protected or conservation-significant flora species.	To minimise and manage disturbance of remnant vegetation or conservation significant flora	Design Prior to the commencement of vegetation clearing	-	R_003_DBNGP Stage 5 Looping Expansion Project 2007 Annual Environmental Compliance Report_01052008	Condition satisfied as reported in the 2007 annual compliance report (DBP 2008).	Completed
735:M7.3	Flora and Vegetation Management Plan - implementation	Implement the Flora and Vegetation Management Plan.	-	To ensure appropriate management actions are taken to minimise any impacts on flora and vegetation	Construction	-	N/A	Previously reported and no further construction will be undertaken at this stage	Compliant
735:M7.4	Flora and Vegetation Management Plan – public availability	Make the Flora and Vegetation Management Plan publicly available.	The revised requirement for making the Flora and Vegetation Management plan publicly available is as follows: Carry out the following: 1) Provide a hard copy to the DEC library and 2) Make the Management Plan available on the DBNGP website	To ensure the public is kept informed	Overall	-	R_002_DBNGP Stage 5 Expansion Looping Project Construction Environmental Management Plan_17082011 DBP website copy at <a href="http://www.dbp.net.au/wp-content/uploads/2015/01/20110817-E-PLN-015-2-Stage-5B-CEMP.pdf">http://www.dbp.net.au/wp-content/uploads/2015/01/20110817-E-PLN-015-2-Stage-5B-CEMP.pdf</a>	A flora and vegetation management protocol is contained within the approved CEMP (DBP 2011). The CEMP is available on the DBP website. No revision was required during this audit period.	Compliant
735:M8.1	Vegetation disturbance – clear delineation	Clearly delineate on the ground the boundaries of the pipeline easement and the area of disturbance outside the easement.	Implement the Flora and Vegetation Management Plan and Conservation Area Management Plan.	To minimise clearing of vegetation	Design Prior to ground-disturbing activities	As established in the Flora and Vegetation and Conservation Area Management Plans.	N/A	Previously reported and no further construction will be undertaken at this stage	Not required at this stage

Audit code	Subject	Action	How	Objective	Phase/Timing	Criteria	Evidence	Finding	Status
735:M8.2	Vegetation disturbance – exceedance of boundaries	Do not cause disturbance of vegetation outside the delineated pipeline easement, or the delineated area of disturbance outside the easement, unless authorised by the Minister for the Environment.		To minimise disturbance of remnant vegetation	Construction	-	N/A	Previously reported and no further construction will be undertaken at this stage	Not required at this stage
735:M8.3	Vegetation disturbance – environmentally sensitive areas	Do not cause or allow disturbance of vegetation outside the 20 metre wide easement located within environmentally sensitive areas, unless authorised by the Minister for the Environment.	Establish and implement auditing compliance reporting system.	To minimise disturbance of vegetation in environmentally sensitive areas	Construction	-	N/A	Previously reported and no further construction will be undertaken at this stage	Not required at this stage
735:M9.1	Fauna Management Plan - preparation	Prepare a Fauna Management Plan, which includes a Fauna Interaction Protocol, in consultation with the DEC.	The Plan shall include: 1. Procedures to minimise and manage impacts on all native fauna, including conservation-significant fauna species identified in Bancroft and Bamford, Fauna Values of Stage 5 of the Dampier to Bunbury Natural Gas Pipeline (DBNGP): A Review (2006). 2. Procedures for the management of water bodies within open trenches to minimise fauna death or injury.	To minimise direct impacts on native fauna	Design Prior to ground disturbing activities	-	R_003_DBNGP Stage 5 Looping Expansion Project 2007 Annual Environmental Compliance Report_01052008	Condition satisfied as reported in the 2007 annual compliance report (DBP 2008).	Completed
735:M9.2	Fauna – trench clearing	The clearing of open trenches by the fauna-clearing persons is to be completed each day by no later than 4.5 hours after sunrise for Loops 0 to 7 and no later than 5 hours after sunrise for Loops 8 to 10 and at least half an hour prior to the backfilling of pipeline trenches.	-	To minimise death or injury to fauna trapped in the open trenches	Construction	-	N/A	Previously reported and no further construction will be undertaken at this stage	Not required at this stage
735:M9.3	Fauna – open trench length	Open trench lengths shall not exceed a length capable of being inspected and cleared by fauna clearing persons within the required times as set out in conditions 9-2, 10-2 and 10-4.	-	To minimise death or injury to fauna trapped in the open trenches	Construction	-	N/A	Previously reported and no further construction will be undertaken at this stage	Not required at this stage
735:M9.4	Fauna – identification of significant habitat trees	Significant habitat trees of sufficient age to form nesting hollows for hollow-nesting birds and mammals shall be marked, prior to construction, in consultation with the DEC.	-	To identify significant habitat trees that can be retained	Construction Prior to construction in each area	A habitat tree was assessed as having habitat value if it had 'a trunk diameter greater than 30 centimetres at breast height, irrespective of availability of lack of any evidence of use by fauna' (CEMP Controlled version 2)	N/A	Previously reported and no further construction will be undertaken at this stage	Not required at this stage
735:M9.5	Fauna – retention of significant habitat trees	Marked significant habitat trees as referred to in condition 9-4 shall be retained, except in the case where habitat trees occur in the direct line of the proposed pipeline.	-	To retain significant habitat trees for fauna, where possible	Construction	-	N/A	Previously reported and no further construction will be undertaken at this stage	Not required at this stage



Audit code	Subject	Action	How	Objective	Phase/Timing	Criteria	Evidence	Finding	Status
735:M9.6	Fauna – backfill of trench	Monitor weather forecasts through the Bureau of Meteorology and in the event of a weather forecast indicating rainfall sufficient to cause flooding of trenches or drowning of fauna trapped in trenches, in consultation with DEC, backfill all lengths of open trench with a potential to be flooded or cause drowning of fauna.	-	To minimise harm to fauna that could be trapped and drown in open trenches	Construction	-	N/A	Previously reported and no further construction will be undertaken at this stage	Not required at this stage
735:M9.7	Fauna – period that trench is open	Where wet trenching is conducted, trenches shall not remain open for periods longer than 48 hours within wetlands and environmentally sensitive areas and 7 days for all other areas.	-	To minimise death or injury to fauna	Construction	-	N/A	Previously reported and no further construction will be undertaken at this stage	Not required at this stage
735:M9.8	Fauna – qualifications of clearing persons	The fauna clearing persons shall operate in teams of two with at least one fauna clearing person experienced in the following, to the requirements of DEC: 1. Fauna identification, capture and handling (including venomous snakes). 2. Identification of tracks, scats, burrows and nests of conservation significant species. 3. Fauna vouchering. 4. Assessing injured fauna for suitability for release, rehabilitation or euthanasia. 5. Familiarity with the ecology of the species that may be encountered in order to be able to appropriately translocate fauna encountered. 6. Performing euthanasia.	-	To ensure fauna handling is of a high standard	Construction	-	N/A	Previously reported and no further construction will be undertaken at this stage	Not required at this stage
735:M9.9:1	Fauna – clearing person training	Ensure that basic fauna handling training is provided to fauna clearing persons who do not possess the skills and experience outlined in condition 9-8 prior to the fauna clearing person commencing employment.	-	To ensure fauna handling is of a high standard	Design	In accordance with training developed in consultation with DEC.	N/A	No design phase relevant to the audit period – Previously reported and no further construction will be undertaken at this stage	Not required at this stage
735:M9.9:2	Fauna clearing person-training	Ensure that basic fauna handling training is provided to fauna clearing persons who do not possess the skills and experience outlined in condition 9-8 prior to the fauna clearing person commencing employment.	-	To ensure fauna handling is of a high standard	Construction	In accordance with training developed in consultation with DEC.	N/A	Previously reported and no further construction will be undertaken at this stage	Not required at this stage
735:M9.10:1	Fauna – clearing person training	The fauna handling training as outlined in condition 9-9 shall be developed in consultation with the DEC.	-	To ensure best practice management	Design	-	N/A	No design phase relevant to the audit period – Previously reported and no further construction will be undertaken at this stage	Not required at this stage
735:M9.10:2	Fauna – clearing person training	The fauna handling training as outlined in condition 9-9 shall be developed in consultation with the DEC.	-	To ensure best practice management	Construction	-	N/A	Previously reported and no further construction will be undertaken at this stage	Not required at this stage
735:M9.11	Fauna – period that trench is open	No part of the trench shall remain open for more than 14 days except 'bell holes', unless authorised by the CEO.	Establish record log book as required by condition 9-13.	To minimise death or injury to fauna	Construction	-	N/A	Previously reported and no further construction will be undertaken at this stage	Not required at this stage

Audit code	Subject	Action	How	Objective	Phase/Timing	Criteria	Evidence	Finding	Status
735:M9.12	Fauna – period that trench is open	In environmentally sensitive areas, no part of the trench shall remain open for more than seven days, unless authorised by the CEO.	Establish record log book as required by condition 9-13.	To minimise death or injury to fauna	Construction	-	N/A	Previously reported and no further construction will be undertaken at this stage	Not required at this stage
735:M9.13	Fauna – period that trench is open	In order to comply with condition 9-11 and condition 9-12, record each day in a log and on the ground the kilometre points of the start point and finish point of the trench opened on each day.	-	To ensure conditions are complied with	Construction	-	N/A	Previously reported and no further construction will be undertaken at this stage	Not required at this stage
735:M9.14	Fauna Management Plan – review and revise	Review and revise, as required, the Fauna Management Plan required by condition 9-1.	Utilise compliance, performance and auditing reports.	To ensure best practice management	Construction	-	R_002_DBNGP Stage 5 Expansion Looping Project Construction Environmental Management Plan_17082011	Previously reported and no further construction will be undertaken at this stage	Not required at this stage
735:M9.15	Fauna Management Plan - implementation	Implement the Fauna Management Plan and subsequent revisions.	Incorporate in construction planning	To ensure appropriate management actions are taken to minimise any impacts on fauna	Construction	-	N/A	Previously reported and no further construction will be undertaken at this stage	Not required at this stage
735:M9.16	Fauna Management Plan – public availability	Make the Fauna Management Plan and subsequent revisions publicly available.	The revised requirement for making the Fauna Management plan publicly available is as follows: Carry out the following: 1) Provide a hard copy to the DEC library and 2) Make the Management Plan available on the DBNGP website.	To ensure the public is kept informed	Overall	-	R_002_DBNGP Stage 5 Expansion Looping Project Construction Environmental Management Plan_17082011 DBP website copy at <a href="http://www.dbp.net.au/wp-content/uploads/2015/01/20110817-E-PLN-015-2-Stage-5B-CEMP.pdf">http://www.dbp.net.au/wp-content/uploads/2015/01/20110817-E-PLN-015-2-Stage-5B-CEMP.pdf</a>	Within the approved CEMP is a section relating to 'Fauna Impact Protocol'. This information is publicly available on the DBP website. No revisions occurred during this audit period.	Compliant
735:M9.17	Fauna management – performance monitoring reports	Produce weekly performance monitoring reports on fauna management for each loop.	The Reports shall include, but not necessarily be limited to, details of all fauna inspections, the number of fauna cleared from trenches, fauna interactions, fauna mortalities and all actions taken. These reports are to be provided to the CEO each week.	To provide evidence of the effectiveness of fauna management measures	Construction	-	N/A	Previously reported and no further construction will be undertaken at this stage	Not required at this stage
735:M9.18:1	Fauna management – performance monitoring reports	Produce monthly performance monitoring reports on fauna management for each Loop.	The Reports shall include, but not necessarily be limited to, details of all fauna inspections, the number of fauna cleared from trenches, fauna interactions, fauna mortalities and all actions taken.	To provide evidence of environmental performance in relation to fauna management	Construction	-	N/A	Previously reported and no further construction will be undertaken at this stage	Not required at this stage
735:M9.18:2	Fauna management – performance monitoring reports	Make the monthly performance monitoring reports publicly available on completion of each loop.	The revised requirement for making monthly performance monitoring reports publicly available is as follows, reports to be provided to: 1) The DEC (Compliance Monitoring Section) 2) The DEC library 3) Made available on the website of the DBNGP	To ensure the public is kept informed	Overall	-	N/A	Previously reported and no further construction will be undertaken at this stage	Not required at this stage
735:M10.1	Timing of construction works – Loops 0 to 2	Avoid open trench work on Loops 0 to 2 from November to March inclusive unless otherwise allowed for in condition 10-2.	Establish and implement auditing compliance reporting system.	To avoid working in the wet season	Construction	-	N/A	Previously reported and no further construction will be undertaken at this stage	Not required at this stage

Audit code	Subject	Action	How	Objective	Phase/Timing	Criteria	Evidence	Finding	Status
735:M10.2	Timing of construction works – Loops 0 to 2	In the event that open trench work on Loops 0 to 2 is conducted during November to March the following shall be undertaken: 1. Provide a report to the DEC outlining the reasons why open trench work was necessary during the period November to March inclusive. 2. Complete fauna clearing as described in condition 9-2 by 3 hours after sunrise or when daily temperatures are forecast by the Bureau of Meteorology to exceed 35°C fauna clearing shall be completed by 2.5 hours after sunrise.	Establish and implement auditing compliance reporting system.	To avoid working in the wet season	Construction	-	N/A	Previously reported and no further construction will be undertaken at this stage	Not required at this stage
735:M10.3	Timing of construction works – Loops 8 to 10	Avoid open trench work on Loops 8 to 10 from June to December (inclusive) unless otherwise allowed for in condition 10-4.	Establish and implement auditing compliance reporting system.	To avoid working in the wet season	Construction	-	N/A	Previously reported and no further construction will be undertaken at this stage	Not required at this stage
735:M10.4	Timing of construction works – Loops 8 to 10	Where open trench work is undertaken during June to December inclusive the following shall be undertaken: 1. Provide a report to the DEC outlining the reasons why open trench work was necessary during the period June to December inclusive. 2. Implement the Wetlands Crossing Management Plan (condition 12-1) and the Dieback and Weed Management Plan (condition 13-2).	Establish and implement auditing compliance reporting system.	To avoid working in the wet season	Construction	-	N/A	Previously reported and no further construction will be undertaken at this stage	Not required at this stage
735:M11.1:1	Watercourses – vegetation delineation	Delineate the riparian vegetation along watercourses which will be traversed.	-	To minimise and manage disturbance of riparian vegetation	Design	-	N/A	No design phase relevant to the audit period – Previously reported and no further construction will be undertaken at this stage	Not required at this stage
735:M11.1:2	Watercourses-vegetation delineation.	Delineate the riparian vegetation along watercourses which will be traversed	-	To minimise and manage disturbance of riparian vegetation	Construction	-	N/A	Previously reported and no further construction will be undertaken at this stage	Not required at this stage
735:M11.2	Watercourse Crossing Management Plan -	Prepare in consultation with the DEC, a Watercourse Crossing Management Plan to minimise disturbance of riparian vegetation.	The Plan shall address: • Objectives and key performance criteria. • Management actions (e.g. general requirements, surveying, trenching and excavation, drilling). • Monitoring and recording. • Contingency actions.	To minimise and manage disturbance of watercourses	Design Prior to ground-disturbing activities	-	R_003_DBNGP Stage 5 Looping Expansion Project 2007 Annual Environmental Compliance Report_01052008	Condition satisfied as reported in the 2007 annual compliance report (DBP 2008).	Completed
735:M11.3	Watercourse Crossing Management Plan - implementation	Implement the Watercourse Crossing Management Plan.	Incorporate into construction planning	To ensure appropriate management actions are taken to minimise any impacts on watercourses	Construction	-	N/A	Previously reported and no further construction will be undertaken at this stage	Not required at this stage
735:M11.4	Watercourse Crossing Management Plan – public availability	Make the Watercourse Crossing Management Plan publicly available	The revised requirement for making the Watercourse Crossing Management Plan publicly available is as follows: Carry out the following: 1) Provide a hard copy to the DEC library and 2) Make the Management Plan available on the DBNGP website.	To ensure the public is kept informed	Overall	-	R_002_DBNGP Stage 5 Expansion Looping Project Construction Environmental Management Plan_17082011 DBP website copy at <a href="http://www.dbp.net.au/wp-content/uploads/2015/01/20110817-E-PLN-015-2-Stage-5B-CEMP.pdf">http://www.dbp.net.au/wp-content/uploads/2015/01/20110817-E-PLN-015-2-Stage-5B-CEMP.pdf</a>	Within the approved CEMP is a section relating to 'Watercourse Crossing Protocol'. This information is publicly available on the DBP website. No revisions occurred during this audit period.	Compliant

Audit code	Subject	Action	How	Objective	Phase/Timing	Criteria	Evidence	Finding	Status
735:M12.1	Wetland crossing Management Plan - prepare	Prepare, in consultation with the DEC, a Wetland Crossing Management Plan.	As described in condition 12-2.	To minimise and manage disturbance to wetlands and wetland buffer areas	Design	Criteria established by condition 12-1	R_003_DBNGP Stage 5 Looping Expansion Project 2007 Annual Environmental Compliance Report_01052008	Condition satisfied as reported in the 2007 annual compliance report (DBP 2008).	Completed
735:M12.2	Wetland crossing Management Plan - prepare	The Wetland Crossing Management Plan shall set out procedures to protect any wetland crossed by the trench in the event that trenching is proposed where there is standing water in the wetland.	Establish and implement auditing compliance reporting system.	To minimise and manage disturbance to wetlands and wetland buffer areas	Design	Criteria established by condition 12-1	R_003_DBNGP Stage 5 Looping Expansion Project 2007 Annual Environmental Compliance Report_01052008	Condition satisfied as reported in the 2007 annual compliance report (DBP 2008).	Completed
735:M12.3	Wetland Crossing Management Plan - implementation	Implement the Wetland Crossing Management Plan.	-	To ensure appropriate management actions are taken to minimise any impacts on wetlands	Construction	-	N/A	Previously reported and no further construction will be undertaken at this stage	Not required at this stage
735:M12.4	Wetland Crossing Management Plan – public availability	Make the Wetland Crossing Management Plan publicly available.	The revised requirement for making the Wetland Crossing Management Plan publicly available is as follows: Carry out the following: 1) Provide a hard copy to the DEC library and 2) Make the Management Plan available on the DBNGP website.	To ensure the public is kept informed	Overall	-	R_002_DBNGP Stage 5 Expansion Looping Project Construction Environmental Management Plan_17082011 DBP website copy at <a href="http://www.dbp.net.au/wp-content/uploads/2015/01/20110817-E-PLN-015-2-Stage-5B-CEMP.pdf">http://www.dbp.net.au/wp-content/uploads/2015/01/20110817-E-PLN-015-2-Stage-5B-CEMP.pdf</a>	Within the approved CEMP is a section relating to 'Wetland Management Protocol'. This information is publicly available on the DBP website. No revisions occurred during this audit period.	Compliant
735:M13.1	Dieback – delineate risk areas	Delineate surveyed occurrences of high risk, medium risk and medium to low risk dieback areas.	Establish and implement auditing compliance reporting system.	To minimise and manage the risk of introducing or spreading dieback	Design	-	N/A	No design phase relevant to the audit period – Previously reported and no further construction will be undertaken at this stage	Not required at this stage
735:M13.2	Dieback and Weed Management Plan - prepare	Prepare a Dieback and Weed Management Plan.	The plan shall address: Objectives and key performance criteria. Management actions (e.g. general requirements, hygiene management procedures). Monitoring and recording. Contingency actions.	To minimise the risk of introducing or spreading weeds and/or diseases	Design Prior to ground disturbing activities	-	R_003_DBNGP Stage 5 Looping Expansion Project 2007 Annual Environmental Compliance Report_01052008	Condition satisfied as reported in the 2007 annual compliance report (DBP 2008).	Completed
735:M13.3	Dieback and Weed Management Plan – review and revise	In consultation with the DEC, review and revise, as required, the Dieback and Weed Management Plan.	-	To ensure best management practice	Construction	-	R_002_DBNGP Stage 5 Expansion Looping Project Construction Environmental Management Plan_17082011	Previously reported and no further construction will be undertaken at this stage	Not required at this stage
735:M13.4	Dieback and Weed Management Plan - implementation	Implement the Weed and Dieback Management Plan and any subsequent revisions of the Weed and Dieback Management Plan.	Incorporate in construction planning	To ensure appropriate management actions are taken to minimise impacts from weed and dieback introduction and/or spread	Construction	-	N/A	Previously reported and no further construction will be undertaken at this stage	Not required at this stage
735:M13.5	Dieback and Weed Management Plan – public availability	Make the Weed and Dieback Management Plan and any subsequent revisions required by condition 13-3 publicly available.	The revised requirement for making the Weed and Dieback Management Plan publicly available is as follows: Carry out the following: 1) Provide a hard copy to the DEC library and 2) Make the Management Plan available on the DBNGP website.	To ensure the public is kept informed	Overall	-	R_002_DBNGP Stage 5 Expansion Looping Project Construction Environmental Management Plan_17082011 DBP website copy at <a href="http://www.dbp.net.au/wp-content/uploads/2015/01/20110817-E-PLN-015-2-Stage-5B-CEMP.pdf">http://www.dbp.net.au/wp-content/uploads/2015/01/20110817-E-PLN-015-2-Stage-5B-CEMP.pdf</a>	Within the approved CEMP is a section relating to 'Weed, Pest and Dieback Management Protocol'. This information is publicly available on the DBP website. No revisions occurred during this audit period.	Compliant

Audit code	Subject	Action	How	Objective	Phase/Timing	Criteria	Evidence	Finding	Status
735:M14.1	Rehabilitation Management Plan - prepare	Prepare a Rehabilitation Management Plan.	The Plan shall address: 1. Weed management protocols. 2. Dieback management protocols. 3. Soil management protocols. 4. Rehabilitation completion criteria. 5. The need for propagule augmentation to achieve completion criteria	To re-establish vegetation and associated habitat areas, controlling sediment and erosion.	Design Prior to ground-disturbing activities	Criteria established by condition 14-1	R_003_DBNGP Stage 5 Looping Expansion Project 2007 Annual Environmental Compliance Report_01052008	Condition satisfied as reported in the 2007 annual compliance report (DBP 2008).	Completed
735:M14.2	Rehabilitation – management period	Manage rehabilitation of the pipeline route until the rehabilitation completion criteria, referred to in condition 14-1, have been achieved (Note: obligations under DoIR legislation mean the vehicular access track must be maintained and thus certain completion criteria may not be achievable within the access track).		To ensure effective rehabilitation	Overall	Criteria established by condition 14-1	C_007_OEPA_DBNGP Stage 5 Looping Expansion Project - Rehabilitation Management Plan - Ministerial Statement 735_04022015 R_006_DBNGP Stage 5 Expansion Rehabilitation Management Plan Rev 5_21012015	Mattiske (2016) reported the following for rehabilitation monitoring undertaken in 2016:  <b>Stage 5A:</b> Loop 8 GRoW rehabilitation areas showed improvements in native perennial species richness and plant density following the 2016 survey. Native perennial foliage cover remained largely static between the 2015 and 2016 surveys. Consequently, these areas satisfied all minimum requirements outlined in the completion criteria and are therefore recommended for closure.  Monitoring of Loop 9 HCV (Stage 5B) areas was not undertaken during the reporting period and further monitoring is required to ensure that minimum compliance is achieved. This will be undertaken in Spring 2017.	Compliant
735:M14.3:1	Rehabilitation Management Plan – review and revision	In consultation with the DEC, review and revise, as required, the Rehabilitation Management Plan.	-	To ensure best practice	Construction	-	N/A	Previously reported and no further construction will be undertaken at this stage	Not required at this stage
735:M14.3:2	Rehabilitation Management Plan – review and revision	In consultation with the DEC, review and revise, as required, the Rehabilitation Management Plan.	-	To ensure best practice	Operation	-	C_005_DPAW_RE: Summary of the existing and proposed rehabilitation criteria - DBNGP Looping Expansions_01102014 C_006_DBNGP Stage 5 Looping Expansion Project - Rehabilitation Management Plan_18122014 C_007_OEPA_DBNGP Stage 5 Looping Expansion Project - Rehabilitation Management Plan - Ministerial Statement 735_04022015 R_006_DBNGP Stage 5 Expansion Rehabilitation Management Plan Rev 5_21012015	Revision of Rehabilitation Management Plan occurred during the previous audit period in consultation with DPAW (formerly DEC). Items revised included the completion criteria.  The revised Rehabilitation Management Plan was endorsed by DPAW in October 2014 and subsequently approved by OEPA in February 2015.	Compliant
735:M14.4:1	Rehabilitation Management Plan - implementation	Implement the Rehabilitation Management Plan and subsequent revisions until such time as the completion criteria are met.	-	To ensure rehabilitation planning and activities are implemented	Construction	-	N/A	Previously reported and no further construction will be undertaken at this stage	Not required at this stage
735:M14.4:2	Rehabilitation Management Plan - implementation	Implement the Rehabilitation Management Plan and subsequent revisions until such time as the completion criteria are met.	-	To ensure rehabilitation planning and activities are implemented	Operation	-	Refer to item 735:M14.2	Refer to item 735:M14.2.	Compliant
735:M14.5	Rehabilitation Management Plan – public availability	Make the Rehabilitation Management Plan and subsequent revisions publicly available.	The revised requirement for making the Rehabilitation Management Plan publicly available is as follows: Carry out the following: 1) Provide a hard copy to the DEC library and 2) Make the Management Plan available on the DBNGP website.	To ensure the public is kept informed	Overall	-	C_007_OEPA_DBNGP Stage 5 Looping Expansion Project - Rehabilitation Management Plan - Ministerial Statement 735_04022015 DBP website copy at <a href="http://www.dbp.net.au/wp-content/uploads/2015/01/20150121-E-PLN-016-5-Stage-5-Rehabilitation-MP.pdf">http://www.dbp.net.au/wp-content/uploads/2015/01/20150121-E-PLN-016-5-Stage-5-Rehabilitation-MP.pdf</a>	The Rehabilitation Management Plan is made publically available through the DBP website	Compliant

Audit code	Subject	Action	How	Objective	Phase/Timing	Criteria	Evidence	Finding	Status
735:M15.1	Acid Sulphate Soils - investigations	Prior to the commencement of soil disturbance or dewatering in an area, undertake field investigations within that area to clearly delineate areas of high, high to medium, medium to low risk acid sulphate soils.	-	To identify those areas where acid sulphate soil management is required	Design Prior to the commencement of soil disturbance or dewatering in an area	DoE Acid Sulfate Soils Guideline Series (DoE 2006)	N/A	Previously reported and no further construction will be undertaken at this stage	Not required at this stage
735:M15.2	Acid Sulphate Soils - Management	Ensure that within high, high to medium and medium to low acid sulphate soil risk areas, trenches will be excavated in lengths that permit trenches to be opened and closed within a 48 hour period.	Establish and implement auditing compliance reporting system.	To minimise adverse affects caused by acid sulphate soil disturbance	Construction	-	N/A	Previously reported and no further construction will be undertaken at this stage	Not required at this stage
735:M15.3	Acid Sulphate Soils and Dewatering Management Plan - prepare	Prepare an Acid Sulphate Soils and Dewatering Management Plan, in consultation with the DEC to the requirements of the Minister for the Environment on advice of the EPA.	Plan to demonstrate that all practical measures have been included to manage the potential impacts of acid sulphate soils and dewatering activities.	To ensure that there are no adverse impacts to sensitive receptors as a result of acid sulphate soil disturbance and dewatering	Design Prior to trenching and excavation activities	Criteria established by M15-3	R_003_DBNGP Stage 5 Looping Expansion Project 2007 Annual Environmental Compliance Report_01052008	Condition satisfied as reported in the 2007 annual compliance report (DBP 2008).	Completed
735:M15.4	Acid Sulphate Soils and Dewatering Management Plan – review and revise	Review and revise, as required, the Acid Sulphate Soils and Dewatering Management Plan.	-	To ensure best practice management	Construction	-	R_002_DBNGP Stage 5 Expansion Looping Project Construction Environmental Management Plan_17082011	Previously reported and no further construction will be undertaken at this stage	Not required at this stage
735:M15.5	Acid Sulphate Soils and Dewatering Management Plan - implementation	Implement and comply with the Acid Sulphate Soils and Dewatering Management Plan and subsequent revisions.	Incorporate in construction planning.	To ensure appropriate management actions are taken to minimise impacts from acid sulphate soil disturbance and dewatering	Construction	-	N/A	Previously reported and no further construction will be undertaken at this stage	Not required at this stage
735:M15.6	Acid Sulphate Soils and Dewatering Management Plan – public availability	Make the Acid Sulphate Soils and Dewatering Management Plan and subsequent revisions publicly available.	The revised requirement for making the Acid Sulphate Soils and Dewatering Management Plan publicly available is as follows: Carry out the following: 1) Provide a hard copy to the DEC library and 2) Make the Management Plan available on the DBNGP website.	To ensure the public is kept informed	Overall	-	R_002_DBNGP Stage 5 Expansion Looping Project Construction Environmental Management Plan_17082011 DBP website copy at <a href="http://www.dbp.net.au/wp-content/uploads/2015/01/20110817-E-PLN-015-2-Stage-5B-CEMP.pdf">http://www.dbp.net.au/wp-content/uploads/2015/01/20110817-E-PLN-015-2-Stage-5B-CEMP.pdf</a>	Within the approved CEMP is a section relating to 'Acid Sulphate Soil Management Protocol'. This information is publicly available on the DBNGP website. No revisions occurred during this audit period.	Compliant
735:M16.1	Preliminary Decommissioning Plan - prepare	Prepare a Preliminary Decommissioning Plan for approval by the CEO.	The Plan shall describe the framework and strategies to ensure that the site is left in an environmentally acceptable condition, and provides: 1. The rationale for the siting and design of plant and infrastructure as relevant to environmental protection. 2. A conceptual description of the final landform at closure. 3. A plan for a care and maintenance phase. 4. Initial plans for the management of noxious materials.	To appropriately decommission the DBNGP in accordance with regulatory requirements and accepted best practice environmental management	Design Prior to undertaking ground-disturbing activities	Criteria established by M16-1	R_003_DBNGP Stage 5 Looping Expansion Project 2007 Annual Environmental Compliance Report_01052008	Condition satisfied as reported in the 2007 annual compliance report (DBP 2008).	Completed

Audit code	Subject	Action	How	Objective	Phase/Timing	Criteria	Evidence	Finding	Status
735:M16.2	Final Decommissioning Plan – prepare and submit	At least 12 months prior to the anticipated date of closure, or at a time approved by the EPA, submit a Final Decommissioning Plan designed to ensure that the site is left in an environmentally acceptable condition prepared on advice of the EPA, for approval of the CEO.	The Final Decommissioning Plan shall set out procedures and measures for: 1. Removal or, if appropriate, retention of plant and infrastructure agreed in consultation with relevant stakeholders. 2. Rehabilitation of all disturbed areas to a standard suitable for the agreed new land use(s). 3. Identification of contaminated area, including provision of evidence of notification and proposed management measures to relevant statutory authorities.	To ensure that the site is left in an environmentally acceptable condition	Overall At least 12 months prior to anticipated closure	Criteria established by condition 16-2	C_008_DBP_Asset Life_03082012	Not yet relevant (not within 12 months of anticipated closure).	Not required at this stage
735:M16.3	Final Decommissioning Plan - implementation	Implement the Final Decommissioning Plan until such time as the Minister for the Environment determines, on advice of the CEO, that decommissioning responsibilities have been fulfilled.	-	To ensure that the Final Decommissioning Plan is implemented	Closure	-	C_008_DBP_Asset Life_03082012	Not yet relevant (closure phase).	Not required at this stage
735:M16.4	Final Decommissioning Plan – public availability	Make the Final Decommissioning Plan publicly available.	The revised requirement for making the Final Decommissioning Plan publicly available is as follows: Carry out the following: 1) Provide a hard copy to the DEC library and 2) Make the Management Plan available on the DBNGP website.	To ensure the public is kept informed	Overall	-	C_008_DBP_Asset Life_03082012	Not yet relevant.	Not required at this stage

## 6. STATEMENT REGARDING COMPLIANCE

During the reporting period no non-compliances were identified as part of the audit. Rehabilitation criteria remains open for one location (Loop 9) and will continue to be monitored in upcoming reporting periods.

A Statement of Compliance is included as Appendix A.



## 7. REFERENCES

DBP 2008, DBNGP Stage 5 Looping Expansion Project - DBPL00-506-0504-01 2007 Annual Environmental Compliance Report (Ministerial Statement No. 735), report prepared for DBNGP (WA) Nominees Pty Ltd by Strategen, Leederville, Western Australia.

DBP 2011, DBNGP Stage 5 Expansion Looping Project DBPL-00-501-0722-01 Construction Environmental Management Plan – Controlled Version 2, report prepared for DBNGP (WA) Nominees Pty Ltd, August 2011.

DBP 2015, Dampier to Bunbury Natural Gas Pipeline Stage 5 Expansion Rehabilitation Management Plan Revision 5, January 2015.

Mattiske Consulting Pty Ltd (Mattiske) 2015 Reassessment of Selected Stage 4, 5A & 5B Control and Rehabilitation Areas.

Office of Environmental Protection Authority (OEPA) 2012a, Post Assessment Guideline for Preparing a Compliance Assessment Plan, OEPA, Perth, August 2012.

Office of Environmental Protection Authority (OEPA) 2012b, Post Assessment Guideline for Preparing an Audit Table, OEPA, Perth, August 2012.

Office of Environmental Protection Authority (OEPA) 2012c, Post Assessment Guideline for Making Information Publically Available, OEPA, Perth, August 2012.

Office of Environmental Protection Authority (OEPA) 2012d, Post Assessment Guideline for Preparing a Compliance Assessment Report, OEPA, Perth, August 2012.

Strategen 2006, Dampier-Bunbury Natural Gas Pipeline Stage 5 Expansion – Environmental Impact Assessment, report prepared for Alinta Asset Management by Strategen, Leederville, Western Australia.

Strategen 2008, Dampier-Bunbury Natural Gas Pipeline Stage 5 Expansion – Loop 10 Compliance Audit, report prepared for Westnet Energy, December 2008

Strategen 2012a, DBNGP Stage 5 Looping Expansion Project- 2011 Annual Environmental Compliance Report (Statement No. 735), report prepared for DBNGP (WA) Nominees Pty Ltd, July 2012

Strategen 2012b, Dampier Bunbury Natural Gas Pipeline Stage 5 Looping Expansion Project Five-year Performance Review (2007-2012), report prepared for DBNGP (WA) Nominees Pty Ltd, August 2012.

Strategen 2014, DBNGP Stage 5 Looping Expansion Project- 2013 Annual Environmental Compliance Report (Statement No. 735), report prepared for DBNGP (WA) Nominees Pty Ltd, March 2014.

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# APPENDIX A: STATEMENT OF COMPLIANCE

**Statement of Compliance**

**1 Proposal and Proponent Details**

Proposal Title	<i>Dampier to Bunbury Natural Gas Pipeline Stage 5 Expansion</i>
Statement Number	735
Proponent Name	<i>DBNGP (WA) Nominees Pty Limited</i>
Proponent's Australian Company Number (where relevant)	081 609 289

**2 Statement of Compliance Details**

Reporting Period	13/12/15 to 13/12/16
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Implementation phase(s) during reporting period (please tick ✓ relevant phase(s))							
Pre-construction	<input type="checkbox"/>	Construction	<input type="checkbox"/>	Operation	<input checked="" type="checkbox"/>	Decommissioning	<input type="checkbox"/>

Audit Table for Statement addressed in this Statement of Compliance is provided at Attachment:	
<p>An audit table for the Statement addressed in this Statement of Compliance must be provided as Attachment 2 to this Statement of Compliance.</p> <p>NOTE: A compliance table has been prepared as part of the Annual Compliance Report in line with Post Assessment Guideline for Preparing a Compliance Assessment Report. This is submitted as part of Attachment 2.</p>	

Were all implementation conditions and/or procedures of the Statement complied with within the reporting period? (please tick ✓ the appropriate box)			
No (please proceed to Section 3)	<input type="checkbox"/>	Yes (please proceed to Section 4)	<input checked="" type="checkbox"/>

Each page (including Attachment 2) must be initialed by the person who signs Section 4 of this Statement of Compliance. INITIALS:                     

*AS*

*AS*

### 3 Details of Non-compliance(s) and/or Potential Non-compliance(s)

The information required Section 3 must be provided for each non-compliance or potential non-compliance identified during the reporting period covered by this Statement of Compliance.

#### Non-compliance/potential non-compliance 3-1

Which implementation condition or procedure was non-compliant or potentially non-compliant?
Was the implementation condition or procedure non-compliant or potentially non-compliant?
On what date(s) did the non-compliance or potential non-compliance occur (if applicable)?

Was this non-compliance or potential non-compliance reported to the General Manager, OEPA?	
<input type="checkbox"/> Yes <input type="checkbox"/> Reported to OEPA verbally Date _____ <input type="checkbox"/> Reported to OEPA in writing Date _____	<input type="checkbox"/> No

What are the details of the non-compliance or potential non-compliance and where relevant, the extent of and impacts associated with the non-compliance or potential non-compliance?
What is the precise location where the non-compliance or potential non-compliance occurred (if applicable)? (please provide this information as a map or GIS co-ordinates)
What was the cause(s) of the non-compliance or potential non-compliance?
What remedial and/or corrective action(s), if any, were taken or are proposed to be taken in response to the non-compliance or potential non-compliance?
What measures, if any, were in place to prevent the non-compliance or potential non-compliance before it occurred? What, if any, amendments have been made to those measures to prevent re-occurrence?
Please provide information/documentation collected and recorded in relation to this implementation condition or procedure: <ul style="list-style-type: none"> <li>• in the reporting period addressed in this Statement of Compliance; and</li> <li>• as outlined in the approved Compliance Assessment Plan for the Statement addressed in this Statement of Compliance.</li> </ul> (the above information may be provided as an attachment to this Statement of Compliance)

Each page (including Attachment 2) must be initialed by the person who signs Section 4 of this Statement of Compliance. INITIALS:                     

*29*

#### 4 Proponent Declaration

I, Stuart Johnston (CEO) declare that I am authorised on behalf of DBP Development Group Nominees Pty Limited (being the person responsible for the proposal) to submit this form and that the information contained in this form is true and not misleading.

Signature:  Date: 13/3/17

Please note that:

- it is an offence under section 112 of the *Environmental Protection Act 1986* for a person to give or cause to be given information that to his knowledge is false or misleading in a material particular; and
- the General Manager of the OEPA has powers under section 47(2) of the *Environmental Protection Act 1986* to require reports and information about implementation of the proposal to which the statement relates and compliance with the implementation conditions.

#### 5 Submission of Statement of Compliance

One hard copy and one electronic copy (preferably PDF on CD or thumb drive) of the Statement of Compliance are required to be submitted to the General Manager, OEPA, marked to the attention of Manager, Compliance Branch.

Please note, the OEPA has adopted a procedure of providing written acknowledgment of receipt of all Statements of Compliance submitted by the proponent, however, the OEPA does not approve Statements of Compliance.

#### 6 Contact Information

Queries regarding Statements of Compliance, or other issues of compliance relevant to a Statement may be directed to Compliance Branch, OEPA:

**Manager, Compliance Branch**  
**Office of the Environmental Protection Authority**

Postal Address: Locked Bag 10  
EAST PERTH WA 6892


Phone: (08) 6145 0800

Email: [compliance@epa.wa.gov.au](mailto:compliance@epa.wa.gov.au)

#### 7 Post Assessment Guidelines and Forms

Post assessment documents can be found at [www.epa.wa.gov.au](http://www.epa.wa.gov.au) in the following locations:

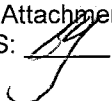
- Post Assessment Guidelines: Home>Policies and Guidelines>Post Assessment Guidelines;
- Post Assessment Forms: Home>Post Assessment Forms.

Each page (including Attachment 2) must be initialed by the person who signs Section 4 of this Statement of Compliance. INITIALS: 

## ATTACHMENT 1

Table 1 Compliance Status Terms

Compliance Status Terms	Abbrev	Definition	Notes
Compliant	C	Implementation of the proposal has been carried out in accordance with the requirements of the audit element.	This term applies to audit elements with: <ul style="list-style-type: none"> <li>• ongoing requirements that have been met during the reporting period; and</li> <li>• requirements with a finite period of application that have been met during the reporting period, but whose status has not yet been classified as 'completed'.</li> </ul>
Completed	CLD	A requirement with a finite period of application has been satisfactorily completed.	This term may only be used where: <ul style="list-style-type: none"> <li>• audit elements have a finite period of application (e.g. construction activities, development of a document);</li> <li>• the action has been satisfactorily completed; and</li> <li>• the Office of the Environmental Protection Authority (OEPA) has provided written acceptance of 'completed' status for the audit element.</li> </ul>
Not required at this stage	NR	The requirements of the audit element were not triggered during the reporting period.	This should be consistent with the 'Phase' column of the audit table.
Potentially Non-compliant	PNC	Possible or likely failure to meet the requirements of the audit element.	This term may apply where during the reporting period the proponent has identified a potential non-compliance and has not yet finalized its investigations to determine whether non-compliance has occurred.
Non-compliant	NC	Implementation of the proposal has not been carried out in accordance with the requirements of the audit element.	This term applies where the requirements of the audit element are not "complete" have not been met during the reporting period.

Each page (including Attachment 2) must be initialed by the person who signs Section 4 of this Statement of Compliance. INITIALS: 

POST ASSESSMENT FORM 2

<p>In Process</p>	<p>IP</p>	<p>Where an audit element requires a management or monitoring plan be submitted to the OEPA or another government agency for approval, that submission has been made and no further information or changes have been requested by the OEPA or the other government agency and assessment by the OEPA or other government agency for approval is still pending.</p>	<p><b>The term 'In Process' may not be used for any purpose other than that stated in the Definition Column.</b></p> <p>The term 'In Process' may not be used to describe the compliance status of an implementation condition and/or procedure that requires implementation throughout the life of the project (e.g. implementation of a management plan).</p>
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Each page (including Attachment 2) must be initialed by the person who signs Section 4 of this Statement of Compliance. INITIALS:



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# APPENDIX B: MONITORING REPORTS



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**DAMPIER TO BUNBURY NATURAL GAS PIPELINE  
(DBNGP)**

**REASSESSMENT OF STAGE 5A**

**LOOP 8 GRoW AREAS**

Prepared for

**DBNGP (WA) Nominees Pty Ltd**

Prepared by

**Mattiske Consulting Pty Ltd**

**December 2016**

DBP1607/34/2016



**Mattiske** Consulting Pty Ltd

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***Disclaimer and Limitation***

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This report is based on the scope of services defined by DBP, budgetary and time constraints imposed by DBP, the information supplied by DBP (and its agents), and the method consistent with the preceding.

Copying of this report or parts of this report is not permitted without the authorisation of DBP or Mattiske Consulting Pty Ltd.

**DOCUMENT HISTORY**

Report	Version	Prepared By	Reviewed By	Submitted to DBP	
				Date	Copies
Internal Review	V1	JC	JC/EMM	-	-
Draft Report released for Client Review	V2	JC	JC/EMM	9/12/16	Electronic
Final Report	V3				Electronic

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## 1. SUMMARY

Mattiske Consulting Pty Ltd was commissioned by DBNGP (WA) Nominees Pty Ltd to reassess vegetation monitoring sites that failed to achieve minimum completion criteria requirements following 2014 and 2015 surveys. Sites recommended for reassessment in the current survey were Stage 5A Loop 8 GRoW areas. Assessment and comparison of botanical values was undertaken in view of minimum standards outlined in the flora and vegetation completion criteria.

No Declared Threatened or Priority flora species pursuant to subsection (2) of section 23F of the *Wildlife Conservation Act 1950* [WA] and as listed by the Department of Parks and Wildlife were recorded within Stage 5A Loop 8 GRoW areas.

No Declared Pests (Plant) or weeds with high environmental risk ratings were recorded within Stage 5A Loop 8 GRoW areas.

Following the 2016 survey, Stage 5A Loop 8 GRoW rehabilitation areas satisfied all minimum requirements outlined in the completion criteria and were therefore recommended for closure.

## 2. INTRODUCTION

Mattiske Consulting Pty Ltd was commissioned by DBNGP (WA) Nominees Pty Ltd to reassess vegetation monitoring sites that failed to achieve minimum completion criteria requirements following 2014 and 2015 surveys (Mattiske Consulting Pty Ltd, 2014, 2015). Sites recommended for reassessment in the current survey were Stage 5A Loop 8 GRoW areas. To increase capacity of the main DBNGP transmission line, looping expansions have been constructed between Compressor Stations. These looping expansions were constructed in three stages namely 4, 5A and 5B. Establishment of vegetation monitoring sites sought to provide adequate spatial and quantitative replication within each staged looping expansion. Monitoring sites comprised a paired impact/control experimental design with quadrats or transects being established within rehabilitated areas of the right-of-way and in adjacent undisturbed vegetation (control). Comparisons of botanical values assessed within the rehabilitated and control areas were undertaken in view of the current flora and vegetation completion criteria.

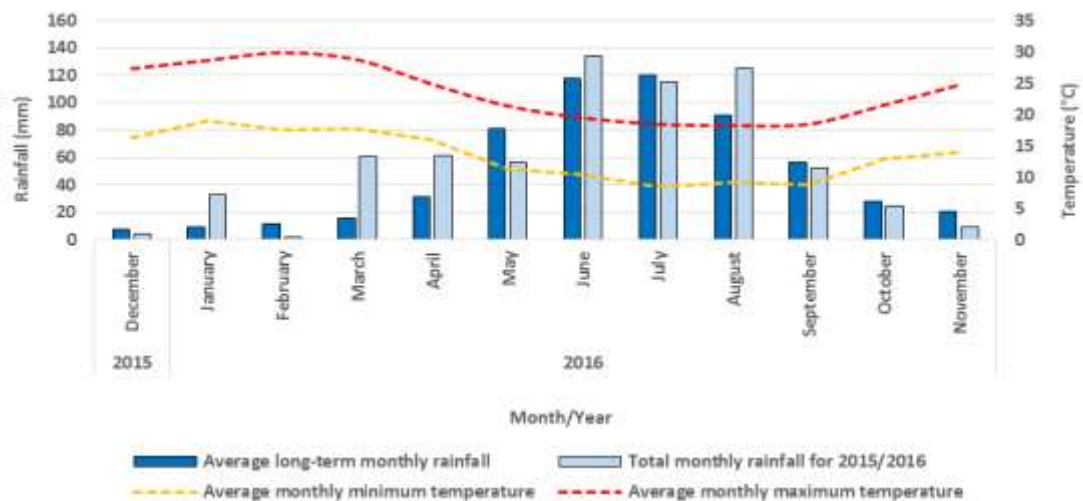
### 2.1 Location and Scope of Proposal

The main DBNGP extends approximately 1600 km from the Dampier terminal to the Clifton Road terminus (Figure 1). The aim of the current survey was to reassess botanical values associated with vegetation monitoring sites established within Stage 5A Loop 8 GRoW areas. Assessment and comparison of botanical values was undertaken in view of minimum standards outlined in the flora and vegetation completion criteria.



## 2.2 Climate

Stage 5A Loop 8 is located at the southern extent of the Irwin Botanical District, which is situated within the Southwestern Botanical Province. The area experiences a dry warm Mediterranean climate with annual winter precipitation of 300 – 500 mm and 7 – 8 dry months per year, with a total average annual rainfall of 593.5 mm experienced at Lancelin (Bureau of Meteorology 2016, Beard 1990). Winter and spring monthly rainfall totals preceding the current survey were comparable to, or exceeded the long-term average (Bureau of Meteorology 2016; Figure 2).



**Figure 2: Rainfall and temperature data for the township of Lancelin**

Long term average rainfall data, together with monthly rainfall and average maximum and minimum temperature data for the period December 2015 to November 2016 shown (Bureau of Meteorology, 2016)

## 2.3 Regional Vegetation

Beard (1990) broadly described vegetation of the region as a mosaic of scrub-heath and heath on sandplains near the coast. Three dominant communities exist towards the south of the Irwin Botanical District, namely *Xanthorrhoea drummondii* heath, *Hakea obliqua* scrub-heath and *Banksia* scrub-heath (Beard 1990). More detailed mapping of the region by Beard (1979) described vegetation as a mosaic of *Hakea obliqua* scrub-heath on sand, *Banksia* heath on laterite, *Banksia* low woodland on coastal plain white sand, and Marri/Wandoo (*Corymbia calophylla*/*Eucalyptus wandoo*) woodland lining tributaries on alluvial soil or heavier soil developed in situ after stripping of the sand and laterite.

Beard (1979) described the heath in sand over laterite as consisting of a dense, rich assemblage of low shrubs, mostly very sclerophyllous and pungent, with scattered *Xanthorrhoea* as emergent taller plants and scattered small herbaceous plants as a ground layer featuring Cyperaceae and Restionaceae. Species of *Banksia* and *Hakea* are a dominant component of the heath vegetation. In the scrub-heath, *Xanthorrhoea* are virtually absent and are replaced by an open stratum of tall shrubs reaching some 2m in height, and is principally composed of members of the Proteaceae family, particularly *Hakea obliqua*. Key species within the *Banksia* low woodland community are *Banksia attenuata*, *Banksia menziesii*, *Banksia prionotes*, *Eucalyptus todtiana* and *Nuytsia floribunda* with common shrubs of the *Hakea obliqua* association (Beard 1979).

More recently, the vegetation of Western Australia has been assigned to bioregions and subregions under the Interim Biogeographical Regionalisation for Australia (IBRA7; Department of the Environment and Energy 2016c). Stage 5A Loop 8 lies within the Geraldton Sandplains Bioregion and more specifically, the GS2 – Lesueur Sandplain subregion. This subregion is comprised of shrub-heaths rich in endemics, occurring on a mosaic of lateritic mesas, sandplains, coastal sands and limestones (Desmond and Chant 2001).

## 2.4 Western Australia's Flora – A Legislative Perspective

Western Australia has a unique and diverse flora, and is recognised as one of the world's 34 biodiversity hotspots (Myers *et al.* 2000). In this context, Western Australia possesses a high degree of species richness and endemism. This is particularly pronounced in the south-west region of the state. There are currently over 12,000 plant species known to occur within Western Australia (Department of Parks and Wildlife, 2016a), and scientific knowledge of many of these species is limited.

The legislative protection of flora within Western Australia is principally governed by three Acts. These are:

- The *Wildlife Conservation Act 1950*;
- The *Environmental Protection Act 1986*; and
- Commonwealth *Environment Protection and Biodiversity Conservation Act 1999*.

The unique flora of Western Australia is potentially under threat due to historical clearing practices associated with agricultural, mining and human habitation activities. As a consequence of these historical clearing practices a number of flora species have become threatened or have the potential to become threatened as their habitat is impacted by human activity. In addition, some areas of the State have been affected by past clearing practices such that entire ecological communities are under threat. The following sections describe these Threatened and Priority flora and ecological communities, and outline the legislative protection afforded to them.

At the State level, the *Wildlife Conservation Act 1950* provides for taxa of native flora (and fauna) to be specially protected because they are subject to identifiable threats. Protection of these taxa has been identified as being warranted because they may become extinct, are threatened, or are otherwise in need of special protection. Ecological communities that are deemed to be threatened are afforded protection under the *Environmental Protection Act 1986*. Listings of Threatened species and communities are reviewed annually by the Western Australian Threatened Species Scientific Committee (TSSC), which is a body appointed by the Minister for the Environment and supported by the Department of Parks and Wildlife. The TSSC reviews threatened and specially protected flora (and fauna) listings on an annual basis. Recommendation for additions or deletions to the listings of specially protected flora (and fauna) is made to the Minister for the Environment by the TSSC, via the Director General of the Department of Parks and Wildlife, and the WA Conservation Commission. Under Schedule 1 of the *Wildlife Conservation Act 1950*, the Minister for the Environment may declare a class or description of flora to be Threatened flora throughout the State, by notice published in the *Government Gazette* (Department of Parks and Wildlife, 2016b).

At the Commonwealth level, under the *Environment Protection and Biodiversity Conservation Act 1999*, a nomination process exists, to list a Threatened species or ecological community. Additions or deletions to the lists of Threatened species and communities are made by the Minister for the Environment, on advice from the Federal Threatened Species Scientific Committee. *Environment Protection and Biodiversity Conservation Act 1999* lists of Threatened flora and ecological communities are published on the Department of the Environment and Energy website (2016a, 2016b).

### 2.4.1 Threatened and Priority Flora

Flora within Western Australia that is considered to be under threat may be classed as either Threatened flora or Priority flora. Where flora has been gazetted as Threatened flora under the *Wildlife Conservation Act 1950*, it is an offence "to take" such flora without the written consent of the Minister. The *Wildlife Conservation Act 1950* states that "to take" flora includes to gather, pluck, cut, pull up, destroy, dig up, remove or injure the flora or to cause or permit the same to be done by any means.

Priority flora constitute species which are considered to be under threat, but for which there is insufficient information available concerning their distribution and/or populations to make a proper evaluation of their conservation status. Such species are considered to potentially be under threat, but do not have legislative protection afforded under the *Wildlife Conservation Act 1950*. The Department of Parks and Wildlife categorises Priority flora according to their conservation priority, using five categories, P1 to P5, to denote the conservation priority status of such species, with P1 listed species being the most threatened, and P5 the least. Priority flora species are regularly reviewed, and may have their priority status changed when more information on the species becomes available. Appendix A1 sets out definitions of both Threatened and Priority flora (Department of Parks and Wildlife, 2016c).



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At the Commonwealth level, under the *Environment Protection and Biodiversity Conservation Act 1999*, Threatened species can be listed as extinct, extinct in the wild, critically endangered, endangered, vulnerable, or conservation dependent, by the Commonwealth Minister for the Environment. Refer to Appendix A2 for a description of each of these categories of Threatened species. Under the *Environment Protection and Biodiversity Conservation Act 1999*, a person must not take an action that has or will have a significant impact on a listed Threatened species without approval from the Commonwealth Minister for the Environment, unless those actions are not prohibited under the Act.

The current *Environment Protection and Biodiversity Conservation Act 1999* list of Threatened flora may be found on the Department of the Environment and Energy (2016a) website.

#### **2.4.2 Threatened and Priority Ecological Communities**

An ecological community is defined as a naturally occurring biological assemblage that occurs in a particular type of habitat composed of specific abiotic and biotic factors. At the State level, ecological communities may be considered as threatened once they have been identified as such by the Western Australian Threatened Ecological Communities Scientific Advisory Committee. A Threatened ecological community (TEC) is defined, under the *Environmental Protection Act 1986*, as an ecological community listed, designated or declared under a written law or a law of the Commonwealth as threatened, endangered or vulnerable. There are four State categories of TECs: presumed totally destroyed (PD); critically endangered (CR); endangered (EN); and vulnerable (VU) (Department of Parks and Wildlife, 2016d). A description of each of these categories of TECs is presented in Appendix A3. TECs are gazetted as such (Department of Parks and Wildlife, 2016e).

At the Commonwealth level, some Western Australian TECs are listed as Threatened, under the *Environment Protection and Biodiversity Conservation Act 1999*. Under the *Environment Protection and Biodiversity Conservation Act 1999*, a person must not take an action that has or will have a significant impact on a listed TEC without approval from the Commonwealth Minister for the Environment, unless those actions are not prohibited under the Act. A description of each of these categories of TECs is presented in Appendix A4. The current *Environment Protection and Biodiversity Conservation Act 1999* list of TECs can be located on the Department of the Environment and Energy (2016b) website.

Ecological communities identified as threatened, but not listed as TECs, can be classified as Priority ecological communities (PECs). These communities are under threat, but there is insufficient information available concerning their distribution to make a proper evaluation of their conservation status. The Department of Parks and Wildlife categorises PECs according to their conservation priority, using five categories, P1 to P5, to denote the conservation priority status of such ecological communities, with P1 communities being the most threatened and P5 the least. Appendix A5 sets out definitions of PECs (Department of Parks and Wildlife, 2016d). A list of current PECs can be viewed at the Department of Parks and Wildlife (2016f) website.

#### **2.5 Declared (Plant) Pest Organisms**

The *Biosecurity and Agriculture Management Act 2007*, Section 22, makes provision for a plant taxon to be listed as a declared pest organism in respect to parts of, or the entire State. According to the BAM Act, a declared pest is defined as a prohibited organism (Section 12), or an organism for which a declaration under section 22 (2) of the Act is in force.

Under section 26 (1) of the *Biosecurity and Agriculture Management Act 2007*, a person who finds a declared plant pest must report, in accordance with subsection (2), the presence or suspected presence of the declared pest to the Director General or an inspector of the Department of Agriculture and Food Western Australia.

Under the *Biosecurity and Agriculture Management Regulations 2013*, declared plant pests are placed in one of three control categories, C1 (exclusion), C2 (eradication) or C3 (management), which determines the measures of control which apply to the declared pest (Appendix A6). According to section 30 (3) of the *Biosecurity and Agriculture Management Act 2007*, the owner or occupier of land, or a person who is conducting an activity on the land, must take the prescribed control measures to control the declared pest if it is present on the land. The current listing of declared pest organisms and their control category is available on the Western Australian Organism List (WAOL), at the Biosecurity and Agriculture Management website of the Department of Agriculture and Food Western Australia (Department of Agriculture and Food, 2016).

### 3. OBJECTIVES

Specific aims of the current survey were to:

- Reassess permanent vegetation monitoring sites established within Stage 5A Loop 8 GRoW areas;
- Collect and identify vascular plant species present within the monitoring sites;
- Review the conservation status of the vascular plant species recorded by reference to current literature and current listings by the Department of Parks and Wildlife (2016b) and plant collections held at the Western Australian State Herbarium (Department of Parks and Wildlife, 2016g), and listed by the Department of the Environment and Energy (2016a) under the *Environment Protection and Biodiversity Conservation Act 1999*;
- Review the management status of vascular plant species recorded with reference to the *Biosecurity and Agriculture Management Act 2007* (Department of Agriculture and Food, 2016) and *Environmental Weed Strategy for WA* (Department of Parks and Wildlife, 2013);
- Provide direct comparisons of the botanical values assessed between rehabilitated and control areas;
- Provide direct comparisons of the botanical values assessed following 2014, 2015 and 2016 surveys; and
- Prepare a report summarising results with direct reference to minimum standards outlined in the flora and vegetation completion criteria.

#### 4. METHODS

The 2016 reassessment of Stage 5A Loop 8 GRoW vegetation monitoring sites (5A-L8-4, 5A-L8-5 and 5A-L8-6) was undertaken by two experienced ecologists on the 24<sup>th</sup> and 25<sup>th</sup> of November 2016.

The DBNGP traverses a considerable area (Figure 1) and consequently a large number of Bioregions and subregions (Section 2.3). As a result, two separate sampling methodologies have been employed to account for these considerable shifts in vegetation structure and/or composition (DBP, 2014, 2015). With respect to the current survey, vegetation monitoring sites each consisted of 2 x 20 m belt transects with 10 continuous 2 x 2 m quadrats; established both within the rehabilitated area of the right-of-way and within adjacent undisturbed vegetation (control).

At each site GPS coordinates (start and end point) and photographs (start and end point) were taken for both the rehabilitation and control areas. For each vascular plant species within the quadrat, the number (both alive and dead), average height and percentage cover (both live and dead material) was recorded.

All plant specimens collected during the field surveys were dried and processed in accordance with the requirements of the Western Australian Herbarium. The plant species were identified through comparisons with pressed specimens housed at the Western Australian Herbarium. Where appropriate, plant taxonomists with specialist skills were consulted. Nomenclature of the species recorded is in accordance with the Department of Parks and Wildlife (2016g).

Progress of rehabilitation was assessed against minimum standards outlined in Table 1. Data were analysed and presented in view of the below completion criteria. Completion criteria, and subsequently data, were separated as to survey sites located in areas traversed by the DBNGP considered to be general right-of-way and survey sites located in areas traversed by the DBNGP considered to be of High Conservation Value (National and Conservation Parks, Nature Reserves and State Forest; DBP, 2014). Vegetation monitoring sites surveyed in the current report were established within general right-of-way areas of Stage 5A Loop 8.

**Table 1: Summary of the rehabilitation criteria for flora and vegetation**

Aspect	Completion Criteria	
	General Right-of-Way	Areas of High Conservation Value <sup>1</sup>
Native plant species density	Perennial native plant species density is greater than or equal to 40% of that of the adjacent control area at 36 months.	Perennial native plant species density is greater than or equal to 50% of that of the adjacent control area at 36 months.
Native species richness	Perennial native species richness equals or exceeds 40% of that of the adjacent control area at 36 months.	Perennial native species richness equals or exceeds 50% of that of the adjacent control area at 36 months.
Weed foliage cover	Percentage foliage cover of Declared and Environmental Weeds <sup>2</sup> is not greater than that of the adjacent control area at 12 and 24 months (excluding extensive populations of negligible and low ranking weed species).	Percentage foliage cover of Declared and Environmental Weeds <sup>2</sup> is not greater than that of the adjacent control area at 12 and 24 months (excluding extensive populations of negligible and low ranking weed species).
Native plant foliage cover	Percentage foliage cover of perennial native species indigenous to each vegetation community is greater than or equal to 40% of that of the adjacent control area at 36 months.	Percentage foliage cover of perennial native species indigenous to each vegetation community is greater than or equal to 50% of that of the adjacent control area at 36 months.

<sup>1</sup>Areas of high conservation value include Conservation Parks and Nature Reserves traversed by the DBNGP.

<sup>2</sup>Environmental Weed Ranking: *Environmental Weed Strategy for W.A.* (DPaW, 2013).

#### 4.1 Survey Limitations and Constraints

Despite rainfall being comparable with long-term averages in the months preceding the current survey, annual species had begun to desiccate. Consequently, the recording and/or positive identification of annual and cryptic perennial species was, in some cases, difficult. Notwithstanding this limitation, the validity of results, as per the stated criteria, were not unduly compromised. Firstly, criteria relied on the differentiation of individual species (perennials) within a given quadrat and not the positive identification of the individual species itself. Lastly, as a result of the paired sample design, direct comparisons between control and rehabilitation quadrats/transects were made at each individual site, and hence were independent of climatic factors.

## 5. RESULTS

### 5.1 Stage 5A

Three vegetation monitoring sites were reassessed within Stage 5A Loop 8 GRoW areas. Refer to Appendix B for the geographic locations of vegetation monitoring sites; Appendix C for a species list and Appendix D for a species by site summary.

### 5.2 Flora

#### Loop 8:

*Control:* A total of 112 vascular plant taxa, representative of 70 plant genera and 29 plant families were recorded within the survey area. The majority of taxa recorded represented the Proteaceae (20 taxa), Myrtaceae (29 taxa) and Cyperaceae (11 taxa) families. Of the 112 vascular plant taxa recorded, four were introduced species.

*Rehabilitation:* A total of 78 vascular plant taxa, representative of 55 plant genera and 18 plant families were recorded within the survey area. The majority of taxa recorded represented the Myrtaceae (16 taxa), Fabaceae (12 taxa) and Proteaceae (8 taxa) families. Of the 78 vascular plant taxa recorded, nine were introduced species.

### 5.3 Threatened and Priority Flora

No Declared Threatened or Priority flora species pursuant to subsection (2) of section 23F of the *Wildlife Conservation Act 1950* [WA] and as listed by the Department of Parks and Wildlife (2016g) were recorded in vegetation monitoring sites.

### 5.4 Introduced (Exotic) Plant Species

Nine introduced taxa were recorded within Stage 5A Loop 8 vegetation monitoring sites, individual weed locations (per site) and rankings are provided in Appendix E. Of these, none have been listed as Declared Pests (Plant) pursuant to the *BAM Act* according to the Department of Agriculture and Food (2016).

The *Environmental Weed Strategy for WA* (DPaW, 2013; currently under review) assesses and rates introduced taxa (weeds) in terms of their environmental impact on biodiversity using the same criteria as those used in the *National Weed Strategy* (ARMCANZ, 1997). These ratings have been applied to weed species identified within the survey area to determine weed management priorities. The environmental weed ranking system is outlined as follows: Very High – Objective is eradication; High – Objective is eradication or control to reduce; Medium – Objective is control to reduce or containment; Low – Objective is containment at key sites only; and Negligible – No action to be undertaken but may include monitoring only.

No species with high environmental weed rankings were recorded in Stage 5A Loop 8 (Appendix E).

## 5.5 Fulfilment of Completion Criteria

Stage 5A Loop 8 GRoW areas satisfied all four minimum requirements outlined in the completion criteria (Table 2; Appendix G). These being native perennial species richness (Control: 4.04 species/m<sup>2</sup>; Rehabilitation: 2.17 species/m<sup>2</sup>), native perennial plant foliage cover (Control: 16.89 %/m<sup>2</sup>; Rehabilitation: 15.02 %/m<sup>2</sup>), native perennial plant density (Control: 9.87 plants/m<sup>2</sup>; Rehabilitation: 4.17 plants/m<sup>2</sup>) and perennial weed foliage cover (Control: 0.00 %/m<sup>2</sup>; Rehabilitation: 0.00 %/m<sup>2</sup>).

**Table 2: Assessment of rehabilitation areas established within Stage 5A Loop 8 GRoW areas against minimum standards outlined in the completion criteria**

Refer to Table 1 for detailed descriptions of completion criteria; figures for each vegetation monitoring site surveyed have been outlined in Appendix G.

Native Perennial Species Richness (m <sup>2</sup> )	Native Perennial Plant Density (m <sup>2</sup> )	%Native Plant Foliage Cover (m <sup>2</sup> )	%Weed Foliage Cover (m <sup>2</sup> )
Pass	Pass	Pass	Pass

A photographic record of individual sites is presented in Appendix F. Details of each individual vegetation monitoring site assessed against the completion criteria is presented in Appendix G.

## 5.6 Comparison of 2014, 2015 and 2016 survey results for Stage 5A Loop 8 GRoW areas

Stage 5A Loop 8 GRoW rehabilitation areas showed improvements in native perennial species richness and plant density, whilst plant foliage cover remained largely static between 2015 and 2016 (Table 3). As a result, these areas now satisfy all minimum requirements outlined in the completion criteria (Section 5.2.4; Appendix G).

**Table 3: Comparison between 2014, 2015 and 2016 surveys: Stage 5A Loop 8 GRoW rehabilitation areas in view of the completion criteria**

Note: Only data from rehabilitation areas are shown, refer to Appendix G for a full breakdown; standard errors shown in parentheses.

Criteria Aspect	Survey Year		
	2014	2015	2016
Native Perennial Species Richness (m <sup>2</sup> )	1.617 (0.117)	1.842 (0.128)	2.175 (0.123)
Native Perennial Plant Density (m <sup>2</sup> )	4.533 (0.753)	3.767 (0.291)	4.167 (0.309)
%Native Plant Foliage Cover (m <sup>2</sup> )	10.763 (0.734)	15.090 (1.194)	15.016 (1.086)
%Weed Foliage Cover (m <sup>2</sup> )	0.000 (0.000)	0.000 (0.000)	0.000 (0.000)

## 6. DISCUSSION AND CONCLUSIONS

Mattiske Consulting Pty Ltd was commissioned by DBNGP (WA) Nominees Pty Ltd to reassess vegetation monitoring sites that failed to achieve minimum completion criteria requirements following 2014 and 2015 surveys (Mattiske Consulting Pty Ltd, 2014, 2015). Sites recommended for reassessment in the current survey were Stage 5A Loop 8 GRoW areas. Monitoring sites comprised a paired impact/control experimental design with quadrats or transects being established within rehabilitated areas of the right-of-way and in adjacent undisturbed vegetation (control). Comparisons of botanical values assessed within the rehabilitated and control areas were undertaken in view of the current flora and vegetation completion criteria.

No Declared Threatened or Priority flora species pursuant to subsection (2) of section 23F of the *Wildlife Conservation Act 1950* [WA] and as listed by the Department of Parks and Wildlife (2016g) were recorded.

No Declared Pests (Plant) or weeds with high environmental risk ratings were recorded within Stage 5A Loop 8 GRoW areas.

Stage 5A Loop 8 GRoW rehabilitation areas showed improvements in native perennial species richness and plant density following the 2016 survey. Native perennial foliage cover remained largely static between the 2015 and 2016 surveys. Consequently, these areas satisfied all minimum requirements outlined in the completion criteria and are therefore recommended for closure.

## 7. ACKNOWLEDGEMENTS

The authors would like to thank Mark Brown from DBP for his assistance with this project.

## 8. LIST OF PERSONNEL:

The following Mattiske Consulting Pty Ltd personnel were involved in this project:

Name	Position	Project Involvement	Flora Collection Permit
Dr E.M. Mattiske	Managing Director & Principal Ecologist	Planning, Management & Reporting	n/a
Dr J. Cargill	Senior Ecologist	Planning, fieldwork, data interpretation, report preparation and review	SL011719
Mr A. Barrett	Experienced Ecologist	Fieldwork, data analysis and report preparation	SL011707

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**APPENDIX A1: DEFINITION OF THREATENED AND PRIORITY FLORA SPECIES (Department of Parks and Wildlife 2016c)**

Conservation Code	Category
T	<p><b>Threatened Flora (Declared Rare Flora – Extant)</b></p> <p>“Taxa which have been adequately searched for and are deemed to be in the wild either rare, in danger of extinction, or otherwise in need of special protection, and have been gazetted as such (Schedule 1 under the <i>Wildlife Conservation Act 1950</i>).</p> <p>Threatened Flora (Schedule 1) are further ranked by the Department according to their level of threat using IUCN Red List criteria:</p> <ul style="list-style-type: none"> <li>• <b>CR:</b> Critically Endangered – considered to be facing an extremely high risk of extinction in the wild</li> <li>• <b>EN:</b> Endangered – considered to be facing a very high risk of extinction in the wild</li> <li>• <b>VU:</b> Vulnerable – considered to be facing a high risk of extinction in the wild.”</li> </ul>
P1	<p><b>Priority One – Poorly Known Species</b></p> <p>“Species that are known from one or a few collections or sight records (generally less than five), all on lands not managed for conservation, e.g. agricultural or pastoral lands, urban areas, Shire, Westrail and Main Roads WA road, gravel and soil reserves, and active mineral leases and under threat of habitat destruction or degradation. Species may be included if they are comparatively well known from one or more localities but do not meet adequacy of survey requirements and appear to be under immediate threat from known threatening processes.”</p>
P2	<p><b>Priority Two – Poorly Known Species</b></p> <p>“Species that are known from one or a few collections or sight records, some of which are on lands not under imminent threat of habitat destruction or degradation, e.g. national parks, conservation parks, nature reserves, State forest, vacant Crown land, water reserves, etc. Species may be included if they are comparatively well known from one or more localities but do not meet adequacy of survey requirements and appear to be under threat from known threatening processes.”</p>
P3	<p><b>Priority Three – Poorly Known Species</b></p> <p>“Species that are known from collections or sight records from several localities not under imminent threat, or from few but widespread localities with either large population size or significant remaining areas of apparently suitable habitat, much of it not under imminent threat. Species may be included if they are comparatively well known from several localities but do not meet adequacy of survey requirements and known threatening processes exist that could affect them.”</p>
P4	<p><b>Priority Four – Rare Threatened and other species in need of monitoring</b></p> <p>“a. Rare - Species that are considered to have been adequately surveyed, or for which sufficient knowledge is available, and that are considered not currently threatened or in need of special protection, but could be if present circumstances change. These species are usually represented on conservation lands.</p> <p>b. Near Threatened - Species that are considered to have been adequately surveyed and that do not qualify for Conservation Dependent, but that are close to qualifying for Vulnerable.</p> <p>c. Species that have been removed from the list of threatened species during the past five years for reasons other than taxonomy.”</p>
P5	<p><b>Priority Five – Conservation Dependent Species</b></p> <p>“Species that are not threatened but are subject to a specific conservation program, the cessation of which would result in the species becoming threatened within five years.”</p>

**APPENDIX A2: DEFINITION OF THREATENED FLORA SPECIES (*Environment Protection and Biodiversity Conservation Act 1999*)**

Category Code	Category
Ex	<p><b>Extinct</b></p> <p>Taxa which at a particular time if, at that time, there is no reasonable doubt that the last member of the species has died.</p>
ExW	<p><b>Extinct in the Wild</b></p> <p>Taxa which is known only to survive in cultivation, in captivity or as a naturalised population well outside its past range; or it has not been recorded in its known and/or expected habitat, at appropriate seasons, anywhere in its past range, despite exhaustive surveys over a time frame appropriate to its life cycle and form.</p>
CE	<p><b>Critically Endangered</b></p> <p>Taxa which at a particular time if, at that time, it is facing an extremely high risk of extinction in the wild in the immediate future, as determined in accordance with the prescribed criteria.</p>
E	<p><b>Endangered</b></p> <p>Taxa which is not critically endangered and it is facing a very high risk of extinction in the wild in the immediate or near future, as determined in accordance with the prescribed criteria.</p>
V	<p><b>Vulnerable</b></p> <p>Taxa which is not critically endangered or endangered and is facing a high risk of extinction in the wild in the medium-term future, as determined in accordance with the prescribed criteria.</p>
CD	<p><b>Conservation Dependent</b></p> <p>Taxa which at a particular time if, at that time, the species is the focus of a specific conservation program, the cessation of which would result in the species becoming vulnerable, endangered or critically endangered within a period of 5 years.</p>

**APPENDIX A3: DEFINITION OF THREATENED ECOLOGICAL COMMUNITIES (Department of Parks and Wildlife 2016d)**

Category Code	Category
PTD	<p><b>Presumed Totally Destroyed</b></p> <p>An ecological community will be listed as Presumed Totally Destroyed if there are no recent records of the community being extant and either of the following applies:</p> <ul style="list-style-type: none"> <li>(i) records within the last 50 years have not been confirmed despite thorough searches or known likely habitats or;</li> <li>(ii) all occurrences recorded within the last 50 years have since been destroyed.</li> </ul>
CE	<p><b>Critically Endangered</b></p> <p>An ecological community will be listed as Critically Endangered when it has been adequately surveyed and is found to be facing an extremely high risk of total destruction in the immediate future, meeting any one of the following criteria:</p> <ul style="list-style-type: none"> <li>(i) The estimated geographic range and distribution has been reduced by at least 90% and is either continuing to decline with total destruction imminent, or is unlikely to be substantially rehabilitated in the immediate future due to modification;</li> <li>(ii) The current distribution is limited ie. highly restricted, having very few small or isolated occurrences, or covering a small area;</li> <li>(iii) The ecological community is highly modified with potential of being rehabilitated in the immediate future.</li> </ul>
E	<p><b>Endangered</b></p> <p>An ecological community will be listed as Endangered when it has been adequately surveyed and is not Critically Endangered but is facing a very high risk of total destruction in the near future. The ecological community must meet any one of the following criteria:</p> <ul style="list-style-type: none"> <li>(i) The estimated geographic range and distribution has been reduced by at least 70% and is either continuing to decline with total destruction imminent in the short term future, or is unlikely to be substantially rehabilitated in the short term future due to modification;</li> <li>(ii) The current distribution is limited ie. highly restricted, having very few small or isolated occurrences, or covering a small area;</li> <li>(iii) The ecological community is highly modified with potential of being rehabilitated in the short term future.</li> </ul>
V	<p><b>Vulnerable</b></p> <p>An ecological community will be listed as Vulnerable when it has been adequately surveyed and is not Critically Endangered or Endangered but is facing high risk of total destruction in the medium to long term future. The ecological community must meet any one of the following criteria:</p> <ul style="list-style-type: none"> <li>(i) The ecological community exists largely as modified occurrences that are likely to be able to be substantially restored or rehabilitated;</li> <li>(ii) The ecological community may already be modified and would be vulnerable to threatening process, and restricted in range or distribution;</li> <li>(iii) The ecological community may be widespread but has potential to move to a higher threat category due to existing or impending threatening processes.</li> </ul>

**APPENDIX A4: DEFINITION OF THREATENED ECOLOGICAL COMMUNITIES (Commonwealth *Environment Protection and Biodiversity Conservation Act 1999*)**

Three categories exist for listing threatened ecological communities under the Commonwealth *Environment Protection and Biodiversity Conservation Act 1999*.

<b>Listing Category</b>	<b>Explanation of Category</b>
<b>Critically endangered</b>	If, at that time, it is facing an extremely high risk of extinction in the wild in the immediate future.
<b>Endangered</b>	If, at that time, it is not critically endangered and is facing a very high risk of extinction in the wild in the near future.
<b>Vulnerable</b>	If, at that time, it is not critically endangered or endangered, and is facing a high risk of extinction in the wild in the medium-term future.

**APPENDIX A5: DEFINITION OF PRIORITY ECOLOGICAL COMMUNITIES (Department of Parks and Wildlife 2016d)**

Category Code	Category
P1	<p><b>Poorly-known ecological communities</b></p> <p>Ecological communities with apparently few, small occurrences, all or most not actively managed for conservation (e.g. within agricultural or pastoral lands, urban areas, active mineral leases) and for which current threats exist.</p>
P2	<p><b>Poorly-known ecological communities</b></p> <p>Communities that are known from few small occurrences, all or most of which are actively managed for conservation (e.g. within national parks, conservation parks, nature reserves, State forest, un-allocated Crown land, water reserves, etc.) and not under imminent threat of destruction or degradation.</p>
P3	<p><b>Poorly known ecological communities</b></p> <p>(i) Communities that are known from several to many occurrences, a significant number or area of which are not under threat of habitat destruction or degradation or:</p> <p>(ii) Communities known from a few widespread occurrences, which are either large or within significant remaining areas of habitat in which other occurrences may occur, much of it not under imminent threat, or;</p> <p>(iii) Communities made up of large, and/or widespread occurrences, that may or not be represented in the reserve system, but are under threat of modification across much of their range from processes such as grazing and inappropriate fire regimes.</p>
P4	<p>Ecological communities that are adequately known, rare but not threatened or meet criteria for Near Threatened, or that have been recently removed from the threatened list. These communities require regular monitoring.</p>
P5	<p><b>Conservation Dependent ecological communities</b></p> <p>Ecological communities that are not threatened but are subject to a specific conservation program, the cessation of which would result in the community becoming threatened within five years.</p>

**APPENDIX A6: CATEGORIES AND CONTROL OF DECLARED (PLANT) PESTS IN WESTERN AUSTRALIA (Department of Agriculture and Food 2016) (*Biosecurity and Agriculture Management Regulations 2013*)**

<b>Control Category</b>	<b>Control Measures</b>
<p style="text-align: center;"><b>C1 (Exclusion)</b></p> <p>'(a) Category 1 (C1) — Exclusion: if in the opinion of the Minister introduction of the declared pest into an area or part of an area for which it is declared should be prevented'</p> <p>Pests will be assigned to this category if they are not established in Western Australia and control measures are to be taken, including border checks, in order to prevent them entering and establishing in the State.</p>	<p>In relation to a category 1 declared pest, the owner or occupier of land in an area for which an organism is a declared pest or a person who is conducting an activity on the land must take such of the control measures specified in subregulation (1) as are reasonable and necessary to destroy, prevent or eradicate the declared pest.</p>
<p style="text-align: center;"><b>C2 (Eradication)</b></p> <p>'(b) Category 2 (C2) — Eradication: if in the opinion of the Minister eradication of the declared pest from an area or part of an area for which it is declared is feasible'</p> <p>Pests will be assigned to this category if they are present in Western Australia in low enough numbers or in sufficiently limited areas that their eradication is still a possibility.</p>	<p>In relation to a category 2 declared pest, the owner or occupier of land in an area for which an organism is a declared pest or a person who is conducting an activity on the land must take such of the control measures specified in subregulation (1) as are reasonable and necessary to destroy, prevent or eradicate the declared pest.</p>
<p style="text-align: center;"><b>C3 (Management)</b></p> <p>'(c) Category 3 (C3) — Management: if in the opinion of the Minister eradication of the declared pest from an area or part of an area for which it is declared is not feasible but that it is necessary to —</p> <p>(i) alleviate the harmful impact of the declared pest in the area; or  (ii) reduce the number or distribution of the declared pest in the area; or  (iii) prevent or contain the spread of the declared pest in the area.'</p> <p>Pests will be assigned to this category if they are established in Western Australia but it is feasible, or desirable, to manage them in order to limit their damage. Control measures can prevent a C3 pest from increasing in population size or density or moving from an area in which it is established into an area which currently is free of that pest.</p>	<p>In relation to a category 3 declared pest, the owner or occupier of land in an area for which an organism is a declared pest or a person who is conducting an activity on the land must take such of the control measures specified in subregulation (1) as are reasonable and necessary to —</p> <p>(a) alleviate the harmful impact of the declared pest in the area for which it is declared; or  (b) reduce the number or distribution of the declared pest in the area for which it is declared; or  (c) prevent or contain the spread of the declared pest in the area for which it is declared.</p>

**APPENDIX B: GPS LOCATION OF VEGETATION MONITORING SITES: STAGE 5A, LOOP 8, 2016**

Loop	Site	Control/ Rehabilitation	GPS Coordinates (GDA94)			
			Start Point		End Point	
8	5A-L8-4	C	358490	6624781	358492	6624763
		R	358462	6624781	358468	6624761
	5A-L8-5	C	360021	6618529	360024	6618507
		R	359994	6618526	359995	6618504
	5A-L8-6	C	362515	6610273	362521	6610256
		R	362488	6610260	362496	6610241

**APPENDIX C: SUMMARY OF VASCULAR PLANT SPECIES RECORDED IN STAGE 5A  
LOOP 8, 2016**

Note: \* denotes introduced species

FAMILY	SPECIES
Poaceae	* <i>Aira caryophyllea</i> <i>Amphipogon amphipogonoides</i> <i>Austrostipa</i> sp. * <i>Briza maxima</i> * <i>Ehrharta calycina</i> <i>Eriachne</i> sp. <i>Neurachne alopecuroidea</i> * <i>Pentameris airoides</i> <i>Poaceae</i> sp.
Cyperaceae	<i>Caustis dioica</i> <i>Lepidosperma ?scabrum</i> <i>Lepidosperma</i> sp. <i>Mesomelaena pseudostygia</i> <i>Mesomelaena tetragona</i> <i>Schoenus brevisetis</i> <i>Schoenus clandestinus</i> <i>Schoenus curvifolius</i> <i>Schoenus</i> sp. <i>Tetraria octandra</i> <i>Cyperaceae</i> sp.
Restionaceae	<i>Alexgeorgea nitens</i> <i>Chordifex sinuosus</i> <i>Desmocladius flexuosus</i> <i>Desmocladius lateriflorus</i> <i>Lepidobolus preissianus</i> <i>Restionaceae</i> sp.
Ecdeiocoleaceae	<i>Ecdeiocolea monostachya</i>
Anarthriaceae	<i>Lyginia barbata</i> <i>Lyginia imberbis</i> <i>Lyginia</i> sp.
Asparagaceae	<i>Lomandra maritima</i> <i>Lomandra sericea</i> <i>Lomandra</i> sp.
Dasypogonaceae	<i>Calectasia narragara</i>
Xanthorrhoeaceae	<i>Xanthorrhoea acanthostachya</i> <i>Xanthorrhoea preissii</i>
Colchicaceae	<i>Burchardia</i> sp.
Hemerocallidaceae	<i>Dianella revoluta</i> <i>Johnsonia pubescens</i>
Haemodoraceae	<i>Blancoa canescens</i> <i>Conostylis aurea</i> <i>Conostylis seminuda</i> <i>Conostylis setigera</i> <i>Conostylis teretifolia</i> subsp. <i>teretifolia</i> <i>Haemodorum</i> sp.
Iridaceae	<i>Patersonia</i> sp. * <i>Romulea rosea</i>



**APPENDIX C: SUMMARY OF VASCULAR PLANT SPECIES RECORDED IN STAGE 5A  
LOOP 8, 2016**

Note: \* denotes introduced species

FAMILY	SPECIES
Casuarinaceae	<i>Allocasuarina humilis</i> <i>Allocasuarina microstachya</i>
Proteaceae	<i>Adenanthos cygnorum</i> <i>Banksia attenuata</i> <i>Banksia dallanneyi</i> <i>Banksia shuttleworthiana</i> <i>Banksia sphaerocarpa</i> <i>Banksia tortifolia</i> <i>Conospermum stoechadis</i> <i>Conospermum triplinervium</i> <i>Conospermum unilaterale</i> <i>Hakea conchifolia</i> <i>Hakea incrassata</i> <i>Hakea psilorrhyncha</i> <i>Isopogon ?teretifolius</i> <i>Lambertia multiflora</i> <i>Petrophile brevifolia</i> <i>Petrophile linearis</i> <i>Petrophile macrostachya</i> <i>Stirlingia latifolia</i> <i>Synaphea petiolaris</i> <i>Synaphea spinulosa</i> subsp. <i>spinulosa</i>
Loranthaceae	<i>Nuytsia floribunda</i>
Lauraceae	<i>Cassytha</i> sp.
Droseraceae	<i>Drosera</i> sp. (climbing)
Crassulaceae	<i>Crassula colorata</i>
Fabaceae	<i>Acacia pulchella</i> var. <i>glaberrima</i> <i>Acacia</i> sp. <i>Acacia stenoptera</i> <i>Bossiaea eriocarpa</i> <i>Daviesia podophylla</i> <i>Daviesia preissii</i> <i>Daviesia</i> sp. <i>Gastrolobium calycinum</i> <i>Gastrolobium spinosum</i> <i>Jacksonia floribunda</i> <i>Jacksonia furcellata</i> <i>Jacksonia sternbergiana</i> <i>Labichea ?punctata</i> <i>Mirbelia trichocalyx</i> * <i>Trifolium</i> sp.
Rutaceae	<i>Boronia</i> sp.
Dilleniaceae	<i>Hibbertia hypericoides</i> <i>Hibbertia huegelii</i> <i>Hibbertia sericosepala</i> <i>Hibbertia subvaginata</i>
Myrtaceae	<i>Babingtonia grandiflora</i> <i>Beaufortia elegans</i> <i>Calothamnus hirsutus</i> <i>Calothamnus sanguineus</i>

**APPENDIX C: SUMMARY OF VASCULAR PLANT SPECIES RECORDED IN STAGE 5A  
LOOP 8, 2016**

Note: \* denotes introduced species

FAMILY	SPECIES
Myrtaceae (cont.)	<i>Calothamnus torulosus</i> <i>Calytrix flavescens</i> <i>Calytrix</i> sp. <i>Eremaea asterocarpa</i> <i>Eremaea pauciflora</i> var. <i>pauciflora</i> <i>Hypocalymma xanthopetalum</i> <i>Leptospermum erubescens</i> <i>Leptospermum</i> sp. <i>Leptospermum spinescens</i> <i>Melaleuca ciliosa</i> <i>Melaleuca parviceps</i> <i>Melaleuca platycalyx</i> <i>Melaleuca seriata</i> <i>Melaleuca</i> sp. <i>Melaleuca systema</i> <i>Pileanthus filifolius</i> <i>Scholtzia involucrata</i> <i>Verticordia densiflora</i> Myrtaceae sp.
Haloragaceae	<i>Glischrocaryon aureum</i>
Araliaceae	<i>Trachymene pilosa</i>
Ericaceae	<i>Andersonia involucrata</i> <i>Astroloma stomarrhena</i> <i>Astroloma xerophyllum</i> <i>Leucopogon polymorphus</i> <i>Leucopogon</i> sp.
Loganiaceae	<i>Logania spermacoea</i>
Orobanchaceae	* <i>Orobanche minor</i>
Campanulaceae	<i>Isotoma hypocrateriformis</i>
Goodeniaceae	<i>Dampiera</i> sp. <i>Goodenia coerulea</i> <i>Lechenaultia biloba</i> <i>Lechenaultia floribunda</i> <i>Scaevola canescens</i>
Stylidiaceae	<i>Levenhookia stipitata</i> <i>Stylidium crossocephalum</i> <i>Stylidium repens</i> <i>Stylidium</i> sp.
Asteraceae	* <i>Hypochaeris glabra</i> <i>Podrothea angustifolia</i> <i>Podrothea</i> sp. * <i>Ursinia anthemoides</i> Asteraceae sp.

**APPENDIX D: SUMMARY OF VASCULAR PLANT SPECIES RECORDED AT EACH VEGETATION MONITORING SITE: STAGE 5A LOOP 8, 2016**

Note: \* denotes introduced species.

SPECIES	Stage 5A Loop 8					
	5A-L8-4		5A-L8-5		5A-L8-6	
	C	R	C	R	C	R
<i>Acacia pulchella</i> var. <i>glaberrima</i>		X		X		
<i>Acacia</i> sp.					X	
<i>Acacia stenoptera</i>		X		X		
<i>Adenanthos cygnorum</i>	X	X	X			X
* <i>Aira caryophylla</i>					X	X
<i>Alexgeorgea nitens</i>	X					
<i>Allocasuarina humilis</i>	X		X		X	
<i>Allocasuarina microstachya</i>					X	
<i>Amphipogon amphipogonoides</i>			X		X	
<i>Andersonia involucreta</i>				X		
Asteraceae sp.		X				
<i>Astroloma stomarrhena</i>					X	
<i>Astroloma xerophyllum</i>	X	X				
<i>Austrostipa</i> sp.	X	X	X	X	X	X
<i>Babingtonia grandiflora</i>	X			X		X
<i>Banksia attenuata</i>	X		X			
<i>Banksia dallanneyi</i>					X	X
<i>Banksia shuttleworthiana</i>					X	
<i>Banksia sphaerocarpa</i>					X	
<i>Banksia tortifolia</i>	X		X			
<i>Beaufortia elegans</i>			X			
<i>Blancoa canescens</i>				X	X	X
<i>Boronia</i> sp.	X					
<i>Bossiaea eriocarpa</i>	X	X				
* <i>Briza maxima</i>					X	X
<i>Burchardia</i> sp.					X	
<i>Calectasia narragara</i>					X	
<i>Calothamnus hirsutus</i>	X					
<i>Calothamnus sanguineus</i>			X			X
<i>Calothamnus torulosus</i>					X	
<i>Calytrix flavescens</i>					X	
<i>Calytrix</i> sp.	X			X		
<i>Cassytha</i> sp.	X		X			
<i>Caustis dioica</i>	X	X	X	X	X	X
<i>Chordifex sinuosus</i>			X		X	
<i>Conospermum stoechadis</i>			X	X	X	
<i>Conospermum triplinervium</i>	X					
<i>Conospermum unilaterale</i>	X		X	X		
<i>Conostylis aurea</i>	X					
<i>Conostylis seminuda</i>	X		X	X	X	
<i>Conostylis setigera</i>			X		X	
<i>Conostylis teretifolia</i> subsp. <i>teretifolia</i>	X	X	X		X	X
<i>Crassula colorata</i>						X
Cyperaceae sp.	X					
<i>Dampiera</i> sp.					X	
<i>Daviesia podophylla</i>		X				
<i>Daviesia preissii</i>						X
<i>Daviesia</i> sp.				X		
<i>Desmocladius flexuosus</i>	X	X				
<i>Desmocladius lateriflorus</i>	X					
<i>Dianella revoluta</i>		X				
<i>Drosera</i> sp. (climbing)	X					
<i>Ecdeiocolea monostachya</i>	X	X				
* <i>Ehrharta calycina</i>		X		X		X
<i>Eremaea asterocarpa</i>	X		X	X		X
<i>Eremaea pauciflora</i> var. <i>pauciflora</i>	X	X	X			
<i>Eriachne</i> sp.						X
<i>Gastrolobium calycinum</i>					X	
<i>Gastrolobium spinosum</i>				X		X
<i>Glischrocaryon aureum</i>					X	
<i>Goodenia coerulea</i>		X				
<i>Haemodorum</i> sp.	X				X	
<i>Hakea conchifolia</i>					X	X

**APPENDIX D: SUMMARY OF VASCULAR PLANT SPECIES RECORDED AT EACH VEGETATION MONITORING SITE: STAGE 5A LOOP 8, 2016**

Note: \* denotes introduced species.

SPECIES	Stage 5A Loop 8					
	5A-L8-4		5A-L8-5		5A-L8-6	
	C	R	C	R	C	R
<i>Hakea incrassata</i>					X	
<i>Hakea psilorrhyncha</i>			X			
<i>Hibbertia hypericoides</i>	X		X	X	X	X
<i>Hibbertia huegelii</i>	X	X	X	X	X	X
<i>Hibbertia sericosepala</i>	X	X				
<i>Hibbertia subvaginata</i>	X					
<i>Hypocalymma xanthopetalum</i>			X		X	
* <i>Hypochaeris glabra</i>	X	X			X	X
<i>Isopogon ?teretifolius</i>	X					
<i>Isotoma hypocrateriformis</i>			X			
<i>Jacksonia floribunda</i>	X	X			X	X
<i>Jacksonia furcellata</i>				X		
<i>Jacksonia sternbergiana</i>	X	X				
<i>Johnsonia pubescens</i>		X	X			X
<i>Labichea ?punctata</i>					X	
<i>Lambertia multiflora</i>	X	X			X	X
<i>Lechenaultia biloba</i>		X				
<i>Lechenaultia floribunda</i>	X	X				
<i>Lepidobolus preissianus</i>			X	X	X	
<i>Lepidosperma ?scabrum</i>					X	
<i>Lepidosperma</i> sp.			X		X	
<i>Leptospermum erubescens</i>		X		X		X
<i>Leptospermum</i> sp.						X
<i>Leptospermum spinescens</i>			X			X
<i>Leucopogon polymorphus</i>	X					
<i>Leucopogon</i> sp.				X		
<i>Levenhookia stipitata</i>	X	X			X	X
<i>Logania spermacoea</i>					X	
<i>Lomandra maritima</i>	X				X	
<i>Lomandra sericea</i>					X	
<i>Lomandra</i> sp.			X			
<i>Lyginia barbata</i>			X	X	X	
<i>Lyginia imberbis</i>	X	X	X	X	X	
<i>Lyginia</i> sp.					X	
<i>Melaleuca ciliosa</i>					X	X
<i>Melaleuca parviceps</i>			X			X
<i>Melaleuca platycalyx</i>	X	X				
<i>Melaleuca seriata</i>						X
<i>Melaleuca</i> sp.		X	X			
<i>Melaleuca systema</i>	X		X		X	
<i>Mesomelaena pseudostygia</i>	X	X	X	X	X	
<i>Mesomelaena tetragona</i>					X	X
<i>Mirbelia trichocalyx</i>						X
Myrtaceae sp.				X		
<i>Neurachne alopecuroidea</i>	X		X		X	
<i>Nuytsia floribunda</i>			X			
* <i>Orobanche minor</i>						X
<i>Patersonia</i> sp.					X	
* <i>Pentameris airoides</i>						X
<i>Petrophile brevifolia</i>					X	
<i>Petrophile linearis</i>	X				X	
<i>Petrophile macrostachya</i>					X	
<i>Pileanthus filifolius</i>	X		X			
Poaceae sp.						X
<i>Podotheca angustifolia</i>						X
<i>Podotheca</i> sp.						X
Restionaceae sp.	X					
* <i>Romulea rosea</i>		X				X
<i>Scaevola canescens</i>					X	
<i>Schoenus brevisetis</i>			X		X	X
<i>Schoenus clandestinus</i>	X		X	X	X	
<i>Schoenus curvifolius</i>					X	X
<i>Schoenus</i> sp.			X	X	X	X

**APPENDIX D: SUMMARY OF VASCULAR PLANT SPECIES RECORDED AT EACH VEGETATION MONITORING SITE: STAGE 5A LOOP 8, 2016**

Note: \* denotes introduced species.

SPECIES	Stage 5A Loop 8					
	5A-L8-4		5A-L8-5		5A-L8-6	
	C	R	C	R	C	R
<i>Scholtzia involucreta</i>	X		X	X	X	X
<i>Stirlingia latifolia</i>	X	X				
<i>Stylidium crossocephalum</i>			X			
<i>Stylidium repens</i>	X					
<i>Stylidium</i> sp.	X		X			
<i>Synaphea petiolaris</i>	X		X			X
<i>Synaphea spinulosa</i> subsp. <i>spinulosa</i>	X				X	
<i>Tetragia octandra</i>					X	
<i>Trachymene pilosa</i>	X		X		X	
* <i>Trifolium</i> sp.		X				
* <i>Ursinia anthemoides</i>	X	X			X	X
<i>Verticordia densiflora</i>			X	X		
<i>Xanthorrhoea acanthostachya</i>					X	
<i>Xanthorrhoea preissii</i>			X			

**APPENDIX E: SUMMARY OF INTRODUCED SPECIES RECORDED AT VEGETATION MONITORING SITES WITHIN STAGE 5A LOOP 8, 2016**

<sup>1</sup>Declared Pest Rating: *Biosecurity and Agriculture Management Act 2007* (Department of Agriculture and Food, 2016; Appendix A6).

<sup>2</sup>Environmental Weed Ranking: *Environmental Weed Strategy for WA* (Department of Parks and Wildlife, 2013; currently under review).

<sup>3</sup>VH - very high (objective is eradication); H - high (objective is eradication or control to reduce);

M - medium (objective is control to reduce or containment); L - low (objective is containment at key sites only);

N - negligible (no action to be taken but may include monitoring only); n/a - no ranking available.

Species	Declared Pest Rating <sup>1</sup>	Environmental Weed Species Ranking <sup>2,3</sup>	Site	Control/ Rehabilitation
* <i>Aira careophylla</i>	Permitted (s11)	N	5A-L8-6	C + R
* <i>Briza maxima</i>	Permitted (s11)	L	5A-L8-6	C + R
* <i>Ehrharta calycina</i>	Permitted (s11)	L	5A-L8-4	R
			5A-L8-5	R
			5A-L8-6	R
* <i>Hypochaeris glabra</i>	Permitted (s11)	L	5A-L8-4	C + R
			5A-L8-6	C + R
* <i>Orobanche minor</i>	Permitted (s11)	N	5A-L8-6	R
* <i>Pentameris airoides</i>	Permitted (s11)	N	5A-L8-6	R
* <i>Romulea rosea</i>	Permitted (s11)	N	5A-L8-4	R
			5A-L8-6	R
* <i>Trifolium</i> sp.	Permitted (s11)	L	5A-L8-4	R
* <i>Ursinia anthemoides</i>	Permitted (s11)	N	5A-L8-4	C + R
			5A-L8-6	C + R

**APPENDIX F: PHOTOGRAPHIC RECORD OF VEGETATION MONITORING SITES WITHIN STAGE 5A, LOOP 8, 2016**

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Photograph F.1: Site 5A-L8-4 Control, Start to End



Photograph F.2: Site 5A-L8-4 Control, End to Start



Photograph F.3: Site 5A-L8-4 Rehabilitation, Start to End



Photograph F.4: Site 5A-L8-4 Rehabilitation, End to Start

**APPENDIX F: PHOTOGRAPHIC RECORD OF VEGETATION MONITORING SITES WITHIN STAGE 5A, LOOP 8, 2016**

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Photograph F.5: Site 5A-L8-5 Control, Start to End



Photograph F.6: Site 5A-L8-5 Control, End to Start



Photograph F.7: Site 5A-L8-5 Rehabilitation, Start to End



Photograph F.8: Site 5A-L8-5 Rehabilitation, End to Start



**APPENDIX F: PHOTOGRAPHIC RECORD OF VEGETATION MONITORING SITES WITHIN STAGE 5A, LOOP 8, 2016**

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Photograph F.9: Site 5A-L8-6 Control, Start to End



Photograph F.10: Site 5A-L8-6 Control, End to Start



Photograph F.11: Site 5A-L8-6 Rehabilitation, Start to End



Photograph F.12: Site 5A-L8-6 Rehabilitation, End to Start

**APPENDIX G: ASSESSMENT OF REHABILITATION AREAS WITHIN STAGE 5A LOOP 8 AGAINST MINIMUM STANDARDS OUTLINED IN THE COMPLETION CRITERIA, 2014, 2015 & 2016**

Note: GRoW = Survey Sites located in areas traversed by the DBNGP considered to be General Right-of-Way;

HCV = Survey Sites located in areas traversed by the DBNGP considered to be of High Conservation Value

Loop	GRoW / HCV	Site	Native Perennial Richness (m <sup>2</sup> )			Native Perennial Density (m <sup>2</sup> )			Native Perennial Cover % (m <sup>2</sup> )			Perennial Weed Cover % (m <sup>2</sup> )		
			Control	Rehabilitation	Pass (y/n)	Control	Rehabilitation	Pass (y/n)	Control	Rehabilitation	Pass (y/n)	Control	Rehabilitation	Pass (y/n)
<b>2014</b>														
8	GRoW	5A-L8-4	4.400 ± 0.172	1.275 ± 0.199	N	13.800 ± 1.245	1.975 ± 0.336	N	13.453 ± 0.848	9.800 ± 2.312	Y	0.000 ± 0.000	0.000 ± 0.000	Y
		5A-L8-5	3.675 ± 0.321	1.600 ± 0.159	Y	11.275 ± 1.108	5.375 ± 1.963	Y	17.618 ± 2.017	13.283 ± 1.976	Y	0.000 ± 0.000	0.000 ± 0.000	Y
		5A-L8-6	5.950 ± 0.300	1.975 ± 0.222	N	18.375 ± 1.945	6.250 ± 0.675	N	20.826 ± 1.596	9.207 ± 1.692	Y	0.000 ± 0.000	0.000 ± 0.000	Y
		<b>Total</b>	4.675 ± 0.387	1.617 ± 0.117	N	14.483 ± 1.199	4.533 ± 0.753	N	17.299 ± 1.232	10.763 ± 0.734	Y	0.000 ± 0.000	0.000 ± 0.000	Y
<b>2015</b>														
8	GRoW	5A-L8-4	4.150 ± 0.113	1.825 ± 0.242	Y	13.017 ± 1.029	3.300 ± 0.387	N	14.322 ± 1.493	13.214 ± 2.384	Y	0.000 ± 0.000	0.000 ± 0.000	Y
		5A-L8-5	3.150 ± 0.371	1.825 ± 0.175	Y	7.85 ± 0.835	3.975 ± 0.466	Y	14.530 ± 2.272	17.086 ± 1.087	Y	0.000 ± 0.000	0.000 ± 0.000	Y
		5A-L8-6	4.550 ± 0.148	1.875 ± 0.261	Y	13.625 ± 1.118	4.025 ± 0.646	N	21.176 ± 2.157	14.970 ± 2.467	Y	0.000 ± 0.000	0.000 ± 0.000	Y
		<b>Total</b>	3.95 ± 0.173	1.842 ± 0.128	Y	11.75 ± 0.757	3.767 ± 0.291	N	17.344 ± 1.236	15.090 ± 1.194	Y	0.000 ± 0.000	0.000 ± 0.000	Y
<b>2016</b>														
8	GRoW	5A-L8-4	4.150 ± 0.183	2.375 ± 0.164	Y	9.629 ± 0.629	3.950 ± 0.505	Y	13.971 ± 2.209	13.267 ± 1.910	Y	0.000 ± 0.000	0.000 ± 0.000	Y
		5A-L8-5	3.800 ± 0.299	1.925 ± 0.197	Y	8.675 ± 0.675	4.500 ± 0.536	Y	17.152 ± 1.357	15.334 ± 1.565	Y	0.000 ± 0.000	0.000 ± 0.000	Y
		5A-L8-6	4.175 ± 0.183	2.225 ± 0.262	Y	11.300 ± 0.648	4.050 ± 0.603	N	19.564 ± 1.802	16.445 ± 2.172	Y	0.000 ± 0.000	0.000 ± 0.000	Y
		<b>Total</b>	4.042 ± 0.116	2.175 ± 0.123	Y	9.867 ± 0.415	4.167 ± 0.309	Y	16.896 ± 1.101	15.016 ± 1.086	Y	0.000 ± 0.000	0.000 ± 0.000	Y