



DBNGP Stage 5 Looping Expansion Project

2011 Annual Environmental Compliance
Report (Statement No. 735)

Prepared for
DBNGP (WA) Nominees Pty Ltd
by Strategen

July 2012



DBNGP Stage 5 Looping Expansion Project

2011 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

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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 the 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. Planning for the remaining portion of Stage 5 was in a preliminary phase at the time of preparing this report. 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 covers the twelve month period from 14 December 2010 to 13 December 2011 inclusive.

This report has been prepared to demonstrate compliance with the Statement conditions for the period from 14 December 2010 to 13 December 2011 inclusive. The report comprises the findings of an audit of compliance with the:

- 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.

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) (WestNet Energy 2008) that addressed a number of environmental factors additional to those required under the Statement, in order to meet the requirements of all environmental regulators. The CEMP was revised in early 2011 (DBP 2011). The changes were largely editorial, with the changes of substance being:

Flora and Vegetation Management Protocol

- clarifying the definition of 'habitat tree'
- clarifying how construction area delineations to be managed
- clarifying how provisions for firebreaks should be incorporated into campsite areas
- clarifying the 'three cut method' for branch trimming
- removal of duplicate statements applying to areas of conservation value
- clarifying monitoring and reporting requirements to support audits of conformance with plan requirements.

Weed, Pest and Dieback Management Protocol

- removal of specific requirements relating to management of European House Borer and replacing with reference to website to ensure requirements remain contemporary
- clarifying monitoring and reporting requirements to support audits of conformance with plan requirements.

Wetland Management Protocol

- clarifying the definition of 'habitat tree'
- clarifying that protocol only applies to conservation category wetlands
- clarifying buffer zone provisions to ensure consistency with other related protocols
- clarifying provisions relating to fuel; storage and refuelling to ensure consistency with other related protocols.

Acid Sulphate Soils Management Protocol

- clarifying requirements for ability to backfill trenches within 48 hours if required
- transfer of specific treatment rates for acid sulphate soils from the protocol to an appendix
- clarifying monitoring and reporting requirements to support audits of conformance with plan requirements.

Fauna Interaction Protocol

- clarifying the definition of 'habitat tree', 'trench' and 'fauna'
- clarifying requirements for marking of habitat trees and consultation with the Department of Environment and Conservation
- clarifying requirements for trench inspections prior to lowering in and to backfilling
- clarifying requirements for checking with Bureau of Meteorology regarding weather forecasts with potential for flooding of trenches

- clarifying monitoring and reporting requirements to support audits of conformance with plan requirements
- clarification of triggers for contingency actions related to fauna mortality rates
- clarification of means of ensuring compliance with fauna team member experience
- clarifying arrangements for fauna handler training
- inserting fauna team equipment requirements.

Watercourse Crossing Protocol

- noting that watercourse crossings will require the construction right-of-way to be substantially wider than in other areas to facilitate the excavation and spoil storage
- clarifying buffer zone provisions to ensure consistency with other related protocols
- clarifying provisions relating to fuel; storage and refuelling to ensure consistency with other related protocols
- clarifying relationship and priorities between the protocol and any Department of Water approved watercourse crossing plan
- clarifying monitoring and reporting requirements to support audits of conformance with plan requirements.

Rehabilitation Protocol

- clarifying the meaning of the term 'threatened flora'
- clarifying photo-monitoring requirements.

The changes resulted in some changes to Key Actions. The changes were approved through submission to Department of Mines and Petroleum who is understood to have consulted with agencies such as the Department of Environment and Conservation.

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

The audit 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 (Table 5.4). The Key Actions were adopted by DBP for inclusion in annual compliance reports on Stage 5A, which were accepted by the DEC and have been used for all subsequent compliance reporting.

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 January – March 2012. As the Fortescue River crossing comprised the only construction activity during the reporting period, the compliance audit report required under Condition 6 of Statement No. 735 (Strategen 2012) was used as the basis for the majority of this audit.

The audit involved an audit interview (Table 2.1) and review of written documentation.

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 protocols¹ 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, Table 5.2 and Table 5.4) 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 (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.

¹ 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

'Status' Term	Description	Notes
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 construction was effectively completed (with the exception of the crossing of the Fortescue River) by the end of April 2010. The 592 m long Fortescue River crossing was undertaken and completed during August – December 2011.

The statistics related to implementation of the proposal as at 13 December 2011 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. The detailed results of the audit of implementation of the key characteristics contained in Schedule 1 are presented in Section 5.1 (Table 5.2).

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

4.1.1 Potential non-compliances

Condition 9–7

This condition states:

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.

Auditors reviewed the Environmental Line List (ELL), which indicates that the FRC is not classified as a wetland or an environmentally sensitive area. Given that wet trenching occurred in the area, trenches are not to be open for longer than 7 days.

Auditors reviewed the Loop 0 - FRC open trench chart, which indicates that areas of trench were open for longer than seven days. The prescribed seven-day limit was exceeded for periods up to seven days at a location between 270 m and 300 m from the northern end of the crossing.

The Weekly reports (WE 20111021 Final and WE 20111028 Final) outline that the delay was caused by:

- failure of concrete infill joints causing a delay in the laying of the pipe string into the trench
- water ingress from the surrounding ground not being able to be adequately dewatered, resulting in additional earthworks to enable the side boom to lift the concrete coated string clear to complete the tie-in process.

DBP advised that when it became apparent that the seven-day limit might be exceeded, the option of backfilling and re-excavating the trench was considered. However, the trench could not be safely backfilled and then safely re-trenched/excavated within a reasonable time due to the presence of the pipe in the area. Excavation next to the pipe requires hand digging to avoid pipe damage. DBP note that this potential non-compliance did not result in any environmental impact or harm. Examination of the fauna inspection reports indicates that the few fish deaths that occurred during the period in excess of the seven-day limit were not in the trench itself.

DBP advised that incidents were logged within the weekly reports and form the incident register until such time as they are entered into the Jasper incident reporting system. No incidents in relation to the open trench exceedences were noted in the weekly reports.

Additionally, weekly reports dated 7 October 2011 and 14 October 2011 state that a test hole was dug to review trench wall stability; and that a trial excavation was completed and test hole backfilled. This trenching was not included in the open trench chart and it is understood that it occurred outside of the pipeline alignment. DBP advised that this test hole was not pipeline trench and was conducted outside the pipeline alignment. As a result, it was not included in the open trench chart which related to the open trench.

The test hole was inspected for fauna and recorded on the Weekly Fauna Report (WE 20111014 Final). DBP advised that the test hole was commenced at midday 8/10/2011 and backfilled on 13/10/2011, being open for less than six days.

Condition 9–15

This condition states:

The proponent shall implement the Fauna Management Plan required by condition 9–1 and subsequent revisions of the Fauna Management Plan required by condition 9–16.

The Auditors found one non-conformance with Key Actions in the Fauna Management Plan, as discussed in Section 4.2. The audit interpretation of a potential non-conformance with Key Actions in a management plan is that the Fauna Management Plan was not totally complied with and; therefore, cannot be considered as having been implemented.

4.2 Conformance with Key Actions

Statement 735 also requires the preparation and implementation of a number of Environmental Management Plans. An audit of key management actions contained within the Environmental Management Plans was also conducted and is presented in Section 5.2 (Table 5.4). The Auditors found one non-conformance with Key Actions in the management plan, as follows:

The Auditors found one non-conformance with Key Actions in the Fauna Management Plan, as follows:

1. Key Action 20 (Table 5.4) relates to implementation of Condition 9–7, which limits wet trenching for the Loop 0 - FRC to 7 days. Exceedance of the 7 day time limit constitutes a potential non-conformance with the associated Key Action. Details are provided in Section 4.1.1.

4.3 Corrective actions

DBP advised that the exceedance of the seven-day time limit for wet trenching was the result of several factors:

1. The construction methodology for this specific section of the project required water to remain in the pipe trench to enable pipe-laying as the pipe was towed through the trench to its final position, rather than the conventional method of lowering in from the side of the trench. This atypical method was considered the only practical and safe method to use on this crossing because of the geometry and geotechnical conditions.
2. The towing operation was a slow process as necessary to minimise potential for damage to the concrete coating of welded joints, which were still curing during the early part of the pipe-laying process.
3. Joints in the concrete covering on the steel pipe failed as a consequence of the pipe flexing more than anticipated during the pipe-laying process. This required removal and repair of the coating to ensure the integrity of the pipe was protected for safety reasons when filled with gas during the operational phase, resulting in the trench remaining open for longer than expected.

This crossing methodology is not expected to be employed in any of the watercourse crossing locations within the remaining portion of the project. However, corrective actions are proposed to be taken by DBP to reduce the risk of future potential non-compliances and non-conformances regarding the length of time in the event that wet trenching is required. These include the following:

1. In planning any future major watercourse crossings with the potential for wet trenching, design and procedural controls will be developed to ensure the seven-day limit can be met.
2. Isolation barriers will be installed around the excavation works to eliminate fauna ingress, including more frequent inspections if in a high fauna occurrence area.
3. Improved controls will be implemented on the management of water in the excavation area.

The above notwithstanding, DBP is concerned that after practical experience with wet trenching on the Fortescue River, that there is a strong possibility that other construction and safety issues may result in unavoidable potential non-compliances/non-conformances with wet trenching time limits during construction of the remaining portion of the project. To address this, DBP is giving consideration to applying for a change of conditions under s 46 of the EP Act.

5. AUDIT TABLES

5.1 Statement No. 735 Summary Audit Tables

Table 5.1 and Table 5.2 have been produced to meet condition 4–3(2) of Statement No. 735.

5.2 Key Actions Summary Audit Table

Table 5.4 has been produced to meet condition 4–3(4) of Statement No. 735 related to implementation of prescribed management plans.

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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	-	This report and its findings.	Refer to Table 5.2 with respect to implementation as described in Schedule 1 of Statement No. 735. This report refers to implementation with respect to being subject to the conditions and procedures of the Statement.	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?	Audit interview 29/09/2011.	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.	Audit interview 29/09/2011 advised that contact name and address have not changed. Recent correspondence from DMP to DBP supports this (letter of 19 August 2011).	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)	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, 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) Letter from DBP General Manager Commercial to DEC Manager Compliance Monitoring Section [CORRO-501-0701-07, 28/05/2008] Email dated 8/06/09 from Colin Murray, Director Environmental Impact Assessment Division, DEC	Previous Annual Compliance Audits indicates construction of Stages 5A and 5B are complete and this represents 79.6% of the total length of the proposal, which is considered to represent substantial commencement. The 2007 and 2009 Annual Compliance Reports were provided to the DEC Manager Compliance Monitoring Section. The Auditors reviewed an email from Colin Murray, Director Environmental Impact Assessment Division, which stated that documentation sent to the DEC meets the requirement for documentation to be sent to the CEO. This applies to all actions within this audit report requiring documentation to be provided to the CEO.	Completed

Audit code	Subject	Action	How	Objective	Phase/Timing	Criteria	Evidence	Finding	Status
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.	2010 AECR covering period 14 Dec 2009 to 13 Dec 2010. 2011 AECR covering period 14 Dec 2010 to 13 Dec 2011 (this report)	2010 AECR (Strategen 2011) dated April 2011. The report covered the period from 14 Dec 2009 to 13 Dec 2010. This report is intended to satisfy the requirements for reporting up until 13 December 2011.	2010 AECR (Strategen 2010) dated April 2011 was provided, however DBP advised that a signed copy of the letter accompanying the 2010 AECR was not able to be found within the record system.. The report covered the period from 14 Dec 2009 to 13 Dec 2010. 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.	Unable to assess for 2010 AECR In process for the 2011 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 Expansion, Loop 10 Compliance Audit [Strategen, January 2008]	Audit Program was prepared and signed-off by DEC. Relevant correspondence was sighted in a previous Compliance Audit.	Completed
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	The 2010 AECR for the Stage 5 Looping Expansion Project was submitted 14 June 2011.	DBNGP Stage 5 Looping Expansion Project 2010 Annual Environmental Compliance Report (Strategen 2011). This report is intended to satisfy the requirements for reporting up until 13 December 2011.	The 2010 AECR was reviewed and determined to be compliant with all clauses within this action except for clause 1 for which compliance was not able to be verified. DBP advised that a signed copy of the 2010 AECR was not able to be found within the record system. The 2010 AECR reported OEPA concerns with respect to end-of-loop compliance report findings, that compliance with several conditions were unable to be assessed due to insufficient information. These same findings were continued through to the 2009 AECR and the OEPA concerns with respect to the end-of-loop compliance reports can consequently be inferred as also applying to the AECR. Findings of the Loop 0 – FRC end-of-loop report included three unable to assess items in relation to the Ministerial statement and two items in relation to Key Actions. This represents a reduction in the number items unable to be assessed in comparison with previous end-of-loop reports. DBP advised that a range of initiatives had been implemented to reduce the number of items remaining as unable to be assessed. A key initiative was preparation of a required evidence listing, detailing the evidence required to be collected to enable audits to determine compliance. This audit report is intended to satisfy the requirements for reporting up until 13 December 2011.	Unable to assess for the 2010 AECR In process for the 2011 AECR

Audit code	Subject	Action	How	Objective	Phase/Timing	Criteria	Evidence	Finding	Status
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 2009 Annual Environmental Compliance Report (DBPL00-501-0734-01). Letter from DBP to DEC re 2009 AECR CORRO-501-0701-388 dated 23 September 2010. DBNGP Stage 5 Looping Expansion Project 2010 Annual Environmental Compliance Report. DBP website [http://www.dbp.net.au/Libraries/Expansion_Reports/Annual_EPA_Compliance_Report_2009.pdf], accessed 13 February 2012.	The Auditors reviewed the DBP website and found that the 2009 and 2010 AECRs were available. Further correspondence was not sighted in regards to the other elements of making the documents publicly available.	Satisfactory during this period
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 Report (DBP 2008).	2007 AECR noted commencement of construction in February 2007. Strategen has been contracted to prepare the five-year review to February 2012. Performance Report is due and is in preparation.	In process
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	Refer to 735:M5.1 above.	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.	Emailed advice	DBP advised that commissioning of Loop 0 – FRC occurred on 30 November 2011, with handover currently scheduled for April 2012. The Loop 0 – FRC end of loop audit was in process during the audit period.	In process
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 2012)	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 2012)	The Loop 0 – FRC end of loop audit was in process during the audit period.	In process

Audit code	Subject	Action	How	Objective	Phase/Timing	Criteria	Evidence	Finding	Status
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 2012)	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 are reported in Section 4.3 of this report	Satisfactory during the period
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: 4. Record the location of any Declared Rare Flora, Priority Flora and other species of conservation significance. 5. Identify any Threatened Ecological Communities and other environmentally sensitive areas. 6. 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. 7. 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 Expansion, Loop 10 Compliance Audit [Strategen, January 2008]	Requirement indicated as completed in Audit Program, which DEC has reviewed and cleared as per Condition 4-2.	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 Expansion, Loop 10 Compliance Audit [Strategen, January 2008]	Requirement indicated as completed in Audit Program, which DEC has reviewed and cleared as per Condition 4-2.	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	-	Refer to Table 5.4 Actions KAs 1 – 10.	Ten key management actions contained within the Flora and Vegetation Management Plan were audited (KA1 to KA10). Five actions were determined to be "Satisfactory during this period", and five actions were determined as "Not required at this stage". The Flora and Vegetation Management Plan is considered to have been implemented.	Satisfactory during this period
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 Expansion, Loop 10 Compliance Audit [Strategen, January 2008]. DBP website (DBP 2011) copy at http://www.dbp.net.au/the-pipeline/expansion.aspx	Requirement previously considered 'Substantially in compliance'. It is noted that there is no requirement within this action for subsequent revisions of the Flora and Vegetation Management Plan to be made publicly available.	Completed

Audit code	Subject	Action	How	Objective	Phase/Timing	Criteria	Evidence	Finding	Status
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.	Site inspection 28-29/09/2011 DBP Photos Pre-con photo point photos P1 (dated 27 – 31 August 2011) DBNGP Stage 5B Looping Expansion Project Fortescue River Crossing – Pre-construction Environmental Survey (MBS Environmental 2011)	The Auditors reviewed photographs dated 27/08/2011 – 31/08/2011 supplied by DBP which show the delineation of the Fortescue River Crossing project area prior to commencement of construction activities. The Auditors reviewed the pre-construction report which provides photo point locations (with GPS points recorded) which indicate the boundaries were surveyed prior to ground disturbance.	Satisfactory during this period
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	-	Clearing Register 2011 10 28 (Fortescue River Crossing – Clearing in Disturbance Areas) DBNGP Stage 5B Expansion Project Fortescue River Crossing Post-construction environmental survey (MBS Environmental 2012) Fortescue Weekly Progress Report WE (dated 2/09/2011 – 25/11/11) Email correspondence from DBP (dated 2/3/2012 and 21/3/2012)	The Minister for Environment has approved clearing of 139 ha of native vegetation outside of the pipeline easement for the Stage 5 Expansion project. DBP advised that the only clearing during this audit period occurred during Loop 0 – FRC construction. The Auditors reviewed the clearing register which indicated that 0.911 ha of native vegetation was cleared outside of the pipeline easement on private land during the construction of Loop 0 - FRC. The Auditors reviewed the post construction environmental survey which contains photo monitoring points including GPS locations and figures indicating location in relation to the pipeline easement; section of easement A; and areas outside of these. Photo point monitoring indicates that disturbance was within the area surveyed and delineated prior to construction. DBP advised that incidents were logged within the weekly reports and form the incident register until such time as they are entered into the Jasper incident reporting system. No incidents of clearing outside authorised areas were noted in the weekly reports for the Loop 0 – FRC end-of-loop report.	Satisfactory during the period
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	-	DBNGP Stage 5B Looping Expansion Project Fortescue River Crossing – Pre-construction Environmental Survey (MBS Environmental 2011) FRC-501-0701-01 Stage 5B Fortescue Crossing ELL Rev D	The Auditors reviewed the Loop 0 - FRC Pre-construction survey report and ELL that indicated no environmentally sensitive areas were identified along the pipeline easement.	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"> 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). 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	-	DBNGP Stage 5 Expansion, Loop 10 Compliance Audit [Strategen, January 2008]	Requirement indicated as completed in Audit Program, which DEC has reviewed and cleared as per Condition 4-2.	Cleared

Audit code	Subject	Action	How	Objective	Phase/Timing	Criteria	Evidence	Finding	Status
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	-	Weekly Fauna Inspection reports (period 9/09/2011 to 25/11/2011) Loop 0 - FRC open trench chart (dated 31 October 2011) DBNGP Stage 5B Expansion Project Looping, Western Australia, Project Specific Procedure, Fauna Interaction [MacDow, Y014-022-1975, Rev 1, 28/05/2009] Fortescue Weekly Progress Report WE 20111028 Final Audit interview 29/09/2011	The Auditors reviewed the open trench chart that indicated trenching was conducted during the period 16/10/2011 to 29/10/2011. The Weekly Fauna Inspection reports indicated that fauna clearing was conducted from 7/9/2011 to 23/11/2011, which encompassed excavation and earthmoving activities (DMP requirement) as well as trenching activities. Fauna reports recorded the time of sunrise and the time that clearing of trenches was completed. One occasion was noted where fauna inspections were conducted later than 4.5 hours after sunrise (5/11/2011), however this incidence was not during open trench works. Weekly progress report (WE 20111028 Final) states that additional fauna inspections were also completed prior to lowering-in and backfill. DBP advised that trench backfilling occurred immediately following fauna inspections logged in Weekly fauna inspection report. Further verification was not provided.	Satisfactory during this period with respect to trenches being cleared no later than 4.5 hours after sunrise Unable to assess with respect to clearing of trenches occurring half an hour prior to backfilling
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	-	Weekly Fauna Inspection reports (period 9/09/2011 to 25/11/2011) Loop 0 - FRC open trench chart	The Auditors reviewed the open trench chart and Weekly Fauna Inspection reports, which confirmed that the length of trench open was able to be cleared within the required period of 4.5 hours after sunrise.	Satisfactory during this period
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)	DBNGP Stage 5B Looping Expansion Project Fortescue River Crossing – Pre-construction Environmental Survey (MBS Environmental 2011). Memorandum - Fortescue Crossing Pre-Construction Survey Follow-up (MBS Environmental, 8 Sept 2011) Site inspection 28-29/09/2011 Email correspondence from KD-1 to DEC dated 15 August 2011 MBS Environmental Memo to DBP re Fortescue Crossing Pre-Construction Survey – Dewatering Operations (October 2011). MBS Environmental Memo to DBP re Fortescue Crossing Pre-Construction Survey – PL40 (October 2011). MBS Environmental Memo to DBP re Fortescue Crossing Pre-Construction Survey – Stringing Extra Workspace Extension (October 2011).	A pre-construction environmental survey of the Fortescue River Crossing project area was conducted on 4, 26 and 27 July 2011, with a follow up survey carried out for additional disturbance areas conducted 27–29 August and 2 September 2011. The pre-construction environmental survey included an assessment of the habitat value of all trees within the Construction Right of Way (CROW) extension area and CITIC Pacific temporary workspace (both areas of disturbance outside of the easement). Auditors reviewed the pre-construction survey and follow up memo that indicated 12 habitat trees were located and recorded within the surveyed area. The report states all options will be exhausted prior to felling of habitat trees. Auditors inspected the site on 28-29/09/2011 and confirmed that habitat trees were marked within the CROW and retained. The pre-construction survey report was provided to DEC on 15 August 2011, prior to construction.	Satisfactory during this period

Audit code	Subject	Action	How	Objective	Phase/Timing	Criteria	Evidence	Finding	Status
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	-	<p>DBP Figure – Vegetation Clearing Fortescue River Crossing (dated 25/01/2012)</p> <p>DBNGP Stage 5B Looping Expansion Project Fortescue River Crossing – Pre-construction Environmental Survey (MBS Environmental, 2011).</p> <p>Memorandum - Fortescue Crossing Pre-Construction Survey Follow-up (MBS Environmental, 8 Sept 2011)</p> <p>Site inspection 28-29/09/2011</p> <p>DBP Post construction Photographs dated 13 December 2011</p> <p>MBS Environmental Memo to DBP re Fortescue Crossing Pre-Construction Survey – Dewatering Operations (October 2011).</p> <p>MBS Environmental Memo to DBP re Fortescue Crossing Pre-Construction Survey – PL40 (October 2011).</p> <p>MBS Environmental Memo to DBP re Fortescue Crossing Pre-Construction Survey – Stringing Extra Workspace Extension (October 2011).</p>	<p>Auditors carried out a site inspection and confirmed that significant habitat trees were marked and flagged off from the work area where they were not in the direct line of the pipeline construction activities.</p> <p>DBP Figure - Vegetation Clearing Fortescue River Crossing shows that four of the 12 identified habitat trees were cleared as they were in the direct line of the pipeline, with eight being retained on completion of the re-instatement of the site.</p> <p>Photographs supplied from DBP taken post construction show retained habitat trees within the rehabilitation CROW.</p>	Satisfactory during this period
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	-	<p>Weekly progress reports dated (2/09/2011 – 25/11/2011)</p> <p>Site inspection 29/09/2011</p>	<p>The Auditors reviewed weekly reports (2/09/2011 – 25/11/2011) which state that weather conditions were monitored daily.</p> <p>Weekly reports also state that no forecasts of flooding were recorded by the Bureau of Meteorology during the time the open trench works were underway.</p> <p>No trenches were backfilled as a result of weather forecasts, and no reference to consultation with DEC was made in weekly progress reports in relation to this topic.</p>	Satisfactory during this period

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	-	<p>Loop 0 FRC – open trench chart FRC-501-0701-01 Stage 5B Fortescue Crossing ELL Rev D</p> <p>Weekly report (WE 20111007 Final V2)</p> <p>Weekly report (WE 20111014 Final)</p> <p>Weekly report (WE 20111021 Final)</p> <p>Weekly report (WE 20111028 Final)</p> <p>Fortescue Weekly Progress Report WE (dated 2/09/2011 – 25/11/11)</p> <p>Email correspondence from DBP (dated 2/3/2012)</p>	<p>Auditors reviewed the ELL which indicates that the FRC is not classified as a wetland or an environmentally sensitive area. Given wet trenching occurred in the area, trenches are required to be open for no longer than 7 days.</p> <p>Auditors reviewed the Loop 0 - FRC open trench chart which indicates that areas of trench were open longer than 7 days. Exceedences were up to 7 days over a 30 m stretch of the crossing area.</p> <p>The Weekly reports (WE 20111021 Final and WE 20111028 Final) outlines that the delay was caused by issues with failure of the concrete infill joints causing a delay in the 'tow-in' of the pipe string; water ingress from the surrounding ground was not able to be adequately dewatered, resulting in additional earthworks to enable the side boom to lift the concrete coated string clear to complete the tie-in process.</p> <p>DBP advised that it was considered that the trench could not be safely backfilled and then safely re-trenched/excavated due to the presence of the pipe. DBP note that this potential non-compliance did not result in any environmental impact or harm. No fish depths in the trench were recorded in the fauna reports during the period the trench was open beyond the 7 day limit.</p> <p>DBP advised that incidents were logged within the weekly reports and form the incident register until such time as they are entered into the Jasper incident reporting system.</p> <p>No incidents in relation to the open trench exceedences were noted in the weekly reports.</p> <p>Additionally, the weekly reports dated 7/10/2011 and 14/10/2011 state that a test hole was dug to review trench wall stability; and that trial excavation was completed and test hole backfilled. This trenching was not included in the open trench chart and it is understood that it occurred outside of the pipeline alignment. DBP advised that this test hole was not pipeline trench and was conducted outside the pipeline alignment. As a result, it was not included in the open trench chart which related to the open trench. The test hole was inspected for fauna and recorded on the Weekly fauna report (WE 20111014 Final). DBP advised that the test hole was commenced at midday 8/10/2011 and backfilled on 13/10/2011, being open for less than six days.</p>	Potential non-compliance

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"> Fauna identification, capture and handling (including venomous snakes). Identification of tracks, scats, burrows and nests of conservation significant species. Fauna vouchering. Assessing injured fauna for suitability for release, rehabilitation or euthanasia. Familiarity with the ecology of the species that may be encountered in order to be able to appropriately translocate fauna encountered. Performing euthanasia. 	-	To ensure fauna handling is of a high standard	Construction	-	Weekly Fauna Inspection reports (period 09/09/11 – 25/11/11) Loop 0 - FRC open trench chart FortescueRiver_Fauna_Handler_RegisterRevC_111006 dated 06/10/2011 Email from DEC dated 21/07/11 approving the list of fauna handlers qualifications and experience as outlined in: FortescueRiver_Fauna_Handler_Register 2011 07 15 Email from DEC dated 10/10/2011 approving the list of fauna handlers as stated in: FortescueRiver_Fauna_Handler_RegisterRevC_111006 dated 06/10/2011 Letter from DEC to DBP providing a Regulation 15 licence for all Senior Fauna Handlers (2 September 2011).	The Auditors reviewed the open trench chart and fauna weekly reports and noted that fauna weekly reports were produced for the period 09/09/2011 – 25/11/2011 which corresponds to the time that open trenching was conducted. Through review of the Fauna Handler Register and fauna weekly reports the Auditors confirmed that during the above period the fauna handlers listed on the fauna reports correspond to the fauna handlers listed in the Fauna Handler Register and possessed the required experience to conduct fauna clearing, or act as assistant fauna handler. All Weekly Fauna Inspection reports indicate that all inspections were carried out by a team of two fauna clearing persons, one of whom was identified as a Senior Fauna Handler. Review of Regulation 15 licence indicated that all Senior Fauna Handlers were included on the licence document.	Satisfactory during this period
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	Audit was conducted during the construction phase of Loop 0 - FRC, rather than design.	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.	FortescueRiver_Fauna_Handler_RegisterRevC_111006 dated 06/10/2011 Email from DEC dated 10/10/2011 approving the list of fauna handlers including assistant handlers	The Auditors reviewed an email dated 10/10/2011 from DEC to KD-1 for DBP approving the list of assistant fauna handlers provided. The Fauna Handler Register states that all assistant fauna handlers will have training provided by senior fauna handlers in the field. Through review of the weekly fauna reports and the Fauna Handler Register the auditors were able to confirm that assistant fauna handlers were accompanied by senior fauna handlers on all occasions of trench and excavation fauna clearing activities recorded.	Satisfactory during the period
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	Audit was conducted during the construction phase of Loop 0 - FRC, rather than design.	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	-	Fauna Personnel Induction and Training FRC-003-0703-01 (dated 19/09/2011) Fauna Handler Training Package (dated 5 February 2009) Email correspondence from DEC to DBP (dated 26 February 2009) approving the Fauna Handler Training package.	The Auditors reviewed the Fauna Personnel and Induction Training document in place for the FRC and the Fauna Personnel Induction and Training document (dated 5 February 2009) and assessed that they were consistent. The 2009 Fauna Personnel Induction and Training document was approved by the DEC.	Satisfactory during the period
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	-	Loop 0 open trench chart dated 21/10/2011	The Auditors reviewed the open trench chart for Loop 0 - FRC and noted that no trenches were open for periods longer than 14 days.	Satisfactory during this period

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	-	Loop 0 open trench chart dated 21/10/2011 FRC-501-0701-01 Stage 5B Fortescue Crossing ELL Rev D DBNGP Stage 5 Looping Expansion Project Fortescue River Crossing Pre-Construction Environmental Survey (August 2011) DBP ForRiver Pre-con Survey Final – MBS (Doc No. PDF1) MBS Memo to DBP re additional information regarding Pre-construction survey (dated 08/09/11)	The auditors reviewed the Loop 0 -FRC ELL and pre-construction survey reports, which indicate that there are no environmentally sensitive areas.	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	-	Loop 0 Open trench chart dated 21/10/2011 FRC-501-0701-01 Stage 5B Fortescue Crossing ELL Rev D	The Auditors reviewed the Loop 0 - FRC open trench chart which records the kilometre points of the start and finish of the trench open each day.	Satisfactory during this period
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	The Auditors reviewed the CEMP revision record and noted that there were a number of revisions of the Fauna Management Plan just prior to construction of the Loop 0 - FRC. Revisions included clarification of terms and DEC requirements; as well as operational methods for achieving the environmental commitments.	Satisfactory during this period
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	-	Refer to Table 5.4 – Actions KA11 to KA27	17 Key Actions contained within the Fauna Management Plan were audited. One action was determined to be a Potential Non-Conformance to the implementation of the Fauna Management Plan. Ten actions were determined as “Satisfactory during this period”, four actions were determined as “Unable to assess” and two actions determined as “Not required during this period”. Non-conformances with one key action indicates that the Fauna Management Plan was not fully implemented during this audit period.	Potential non-compliance

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	-	<p>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> <p>DBNGP Stage 5 Expansion, Loop 10 Compliance Audit [Strategen, January 2008]</p> <p>DBNGP Stage 5 Expansion Looping Project DBPL00-501-0722—01 Construction Environmental Management Plan Revision Record</p> <p>Letter dated 5/08/09 to the Librarian, EPA providing a copy of the CEMP, Version 2, 22 December 2008</p> <p>Letter dated 12/08/09 to the Librarian, State Library of Western Australia (Battye Library) providing a copy of CEMP, Version 2, 22 December 2008</p> <p>Letters dated 31/08/09 from DBNGP to CEOs of all Western Australian Local Government Authorities providing a copy of CEMP, Version 2, 22 December 2008</p> <p>DBP website (DBP 2011) copy at http://www.dbp.net.au/the-pipeline/expansion.aspx</p>	<p>This requirement previously considered 'Substantially in compliance' for the original plan. The Auditors reviewed the CEMP revision record and noted that there have been a number of updates to the Fauna Management Plan. The updated version of the CEMP was available on the DBP website during the audit period.</p>	<p>Completed in regards to original Plan</p> <p>Satisfactory during the period in regards to 2011 revision.</p>
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	-	<p>Weekly Fauna Inspection reports (for the period 09/09/11 – 25/11/11)</p> <p>Weekly emails to DEC for period 09/09/11 – 25/11/11</p> <p>Loop 0 Open trench chart dated 21/10/2011</p>	<p>The Auditors reviewed the weekly fauna inspection reports for the period 09/09/11 – 25/11/11 which includes the dates when trenching occurred as indicated in the Loop 0 open trench chart.</p> <p>The Weekly Fauna Inspection reports record details of fauna inspections including the KP start and end point of open trench, the number of kilometres of open trench inspected, the time inspections commenced and were completed, the date of the inspection, the number of fauna cleared from the trenches, initials of the fauna handlers and fauna mortalities. A comments column and space beneath the main report includes further details of fauna interactions and actions taken.</p> <p>The Auditors reviewed emails from DBP to DEC which confirmed that all Weekly Performance Monitoring Reports were provided to DEC each week during the period of trenching.</p>	<p>Satisfactory during this period</p>

Audit code	Subject	Action	How	Objective	Phase/Timing	Criteria	Evidence	Finding	Status
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	-	DBP Monthly Summary Fauna Reports FRC-006-0705-01 January 2012.	The Auditors reviewed the monthly fauna performance monitoring report for Loop 0 - FRC and confirmed that it contained adequate information on the fauna interactions. The Monthly Summary Fauna Report sets out the monthly and aggregated totals of length of excavation and trench inspected, numbers of live animals and mortalities retrieved from the excavation and trench, numbers of animals vouchered to meet WA Museum requirements, and relevant data on incidental interactions. Information is also provided on species encountered and all actions taken.	Satisfactory during this period.
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	-	DBP Monthly Summary Fauna Reports FRC-006-0705-01 January 2012. DBP website (DBP 2011) copy at http://www.dbp.net.au/the-pipeline/expansion.aspx	The completion of each loop is considered to be at the time of hand over from DBP construction section to operations. The Auditors reviewed the DBP website and found that the monthly summary report was available to the public.	Satisfactory during the period
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	-	Loop 0 Open trench chart dated 21/10/2011	The auditors reviewed the Open trench chart for Loop 0 - FRC and confirm that trenching was completed on 29 October 2011.	Satisfactory during this period
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"> 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	-	Loop 0 Open trench chart dated 21/10/2011	The auditors reviewed the Open trench chart for Loop 0 - FRC and confirm that trenching was completed on 29 October 2011.	Satisfactory during this period
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	This compliance audit report addresses construction of Loop 0 - FRC Stage 5B; this condition is not relevant to this loop.	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"> Provide a report to the DEC outlining the reasons why open trench work was necessary during the period June to December inclusive. 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	This compliance audit report addresses construction of Loop 0 - FRC Stage 5B; this condition is not relevant to this loop.	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	Audit was conducted during the construction phase of Loop 0, rather than design.	Not required at this stage

Audit code	Subject	Action	How	Objective	Phase/Timing	Criteria	Evidence	Finding	Status
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	-	FRC-501-0701-01 Stage 5B Fortescue Crossing ELL Rev D DBNGP Stage 5 Looping Expansion Project Fortescue River Crossing Pre-Construction Environmental Survey (August 2011) DBP ForRiver Pre-con Survey Final – MBS (Doc No. PDF1) MBS Memo to DBP re additional information regarding Pre-construction survey (dated 08/09/11) Site inspection 29/09/2011	The Auditors reviewed the Pre-construction survey report for the construction of Loop 0 and noted that riparian vegetation was identified. Ten Riparian trees were recorded approximately between KP 108.723 and 108.796. No other significant riparian vegetation was recorded. Site inspection verified that the riparian vegetation was identified on-ground.	Satisfactory during this period.
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"> 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	-	DBNGP Stage 5 Expansion, Loop 10 Compliance Audit [Strategen, January 2008]	Requirement previously considered 'Substantially in compliance'.	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	-	Refer to Table 5.4 KA 31 FRC-501-0701-01 Stage 5B Fortescue Crossing ELL Rev D DBNGP Stage 5 Looping Expansion Project Fortescue River Crossing Pre-Construction Environmental Survey (August 2011) DBP ForRiver Pre-con Survey Final – MBS (Doc No. PDF1) MBS Memo to DBP re additional information regarding Pre-construction survey (dated 08/09/11) Emails from DBP to DEC providing pre-construction information (dated 15/08/2011 and 9/09/2011) Site inspection 29/09/2011	One Key Action in relation to the Watercourse Crossing Management Plan was audited (KA31) and was assessed as 'satisfactory during the period'. The Auditors confirm that DEC was sent the Pre-construction survey prior to work commencing, providing them an opportunity to comment. The Auditor's site inspection confirmed that watercourses were delineated and the adjacent no re-fuelling zones sign-posted. On this basis it is considered that the Watercourse Crossing Management Plan has been implemented.	Satisfactory during the period
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	-	DBNGP Stage 5 Expansion, Loop 10 Compliance Audit [Strategen, January 2008]	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 Expansion, Loop 10 Compliance Audit [Strategen, January 2008]	Requirement previously considered 'Substantially in compliance'.	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 Expansion, Loop 10 Compliance Audit [Strategen, January 2008]	Requirement previously considered 'Substantially in compliance'.	Cleared

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	-	Refer to Table 5.4 – Action KA 32 FRC-501-0701-01 Stage 5B Fortescue Crossing ELL Rev D DBNGP Stage 5 Looping Expansion Project Fortescue River Crossing Pre-Construction Environmental Survey (August 2011) DBP ForRiver Pre-con Survey Final – MBS (Doc No. PDF1) MBS Memo to DBP re additional information regarding Pre-construction survey (dated 08/09/11)	The Auditors reviewed the ELL and the Pre-construction Survey Report for the construction of Loop 0 - FRC and noted that no wetlands were identified as occurring within the Loop 0 pipeline easement. The Auditors consider that the Wetland Crossing Management Plan was not required to be implemented.	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	-	DBNGP Stage 5 Expansion, Loop 10 Compliance Audit [Strategen, January 2008]	Requirement previously considered 'Substantially in compliance'.	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	-	FRC-501-0701-01 Stage 5B Fortescue Crossing ELL Rev D DBNGP Stage 5 Looping Expansion Project Fortescue River Crossing Pre-Construction Environmental Survey (August 2011) DBP ForRiver Pre-con Survey Final – MBS (Doc No. PDF1) MBS Memo to DBP re additional information regarding Pre-construction survey (dated 08/09/11) MBS Environmental Memo to DBP re Fortescue Crossing Pre-Construction Survey – Dewatering Operations (October 2011). MBS Environmental Memo to DBP re Fortescue Crossing Pre-Construction Survey – PL40 (October 2011). MBS Environmental Memo to DBP re Fortescue Crossing Pre-Construction Survey – Stringing Extra Workspace Extension (October 2011).	The Auditors reviewed the ELL and pre-construction survey reports and noted that there were no surveyed occurrences of high risk, medium risk and medium to low risk dieback areas along the Loop 0 - FRC CROW.	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 Expansion, Loop 10 Compliance Audit [Strategen, January 2008]	Requirement indicated as completed in Audit Program, which DEC has reviewed and cleared as per Condition 4-2.	Cleared
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)	The Auditors reviewed the CEMP revision record and noted that there have been a number of revisions of the Weed and Dieback Management Plan.	Satisfactory during the period

Audit code	Subject	Action	How	Objective	Phase/Timing	Criteria	Evidence	Finding	Status
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	-	Refer to Table 5.4 KA33 to KA35 FRC-501-0701-01 Stage 5B Fortescue Crossing ELL Rev D DBNGP Stage 5 Looping Expansion Project Fortescue River Crossing Pre-Construction Environmental Survey (August 2011) DBP ForRiver Pre-con Survey Final – MBS (Doc No. PDF1) MBS Memo to DBP re additional information regarding Pre-construction survey (dated 08/09/11)	The Auditors reviewed the ELL and pre-construction survey reports and noted that there were no surveyed occurrences of dieback-risk areas along the Loop 0 - FRC corridor. Three key actions contained within the Weed and Dieback Management Plan were audited (KA33 to KA35). All actions were determined to be "Not required at this stage". The ELL and the pre-construction reports identify the Declared Weed species <i>Prosopis spp</i> (Mesquite) which was managed by avoidance. All identified plants were clearly delineated and left in situ to avoid increasing the occurrence of the weed through construction activities. The Auditors assessed that as the weed plants were not in the direct line of the pipeline this management was appropriate.	Satisfactory during the period
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 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 http://www.dbp.net.au/the-pipeline/expansion.aspx	Requirement previously considered 'Substantially in compliance'. The Auditors reviewed the CEMP revision record and noted that there have been a number of revisions of the Weed and Dieback Management Plan. The updated version of the Dieback and Weed Management Plan (within the CEMP) was available on the DBP website during the audit period.	Completed in regards to original Plan Satisfactory during the period for subsequent revisions of Plan
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 Expansion, Loop 10 Compliance Audit [Strategen, January 2008]	Requirement indicated as completed in Audit Program, which DEC has reviewed and cleared as per Condition 4-2.	Cleared

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	Draft summary tables, Appendix C: Summary of key findings against rehabilitation criteria, provided by Mattiske Consulting Summary of Site Inspections of Lowlands and Leda (Mattiske, June 2011) DBNGP Flora and Vegetation Rehabilitation Monitoring: Stage 5A Loops 1 – 6 (Mattiske, February 2012)	The Rehabilitation Management Plan requires that surveys be conducted at 12 months and 2 years to determine whether completion criteria have been met. Loop 0 – FRC rehabilitation does not require monitoring until 12 months following reinstatement. The Auditors reviewed the draft summary tables provided by Mattiske Consulting which provide data on Stage 5A (Loop 1-6) and Stage 5B (Loop 0-6). The overall report was in process at the time of the annual reporting; however the tables reviewed indicate that rehabilitation monitoring is underway. Monitoring for the remainder of Loops was underway at the time of annual reporting. Draft summary of results for Stage 5B indicates that Loop 0 2011 monitoring (on average) results were influenced by the dominance of Buffel Grass, although results overall are similar to control areas. Stage 5B, Loops 1 – 6 on average met all completion criteria except for weed foliar coverage, which was not met for any loop section. The summary report for Lowlands and Leda shows that weed control has had beneficial results across all sites, and lists recommendations for follow up weed control and additional direct seeding to promote rehabilitation. Stage 5A monitoring showed 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. However these Loops all had on average a native species density in the RoW greater than was present in the adjacent control plots. DBP advised that discussions have commenced with DEC in regards to future remediation options that will enable completion criteria to be met.	In process
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	The Auditors reviewed the CEMP revision record and noted that there has been one minor revision of the Rehabilitation Management Plan.	Satisfactory during the period
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	The Auditors reviewed the CEMP revision record and noted that there has been a minor revision of the Rehabilitation Management Plan.	Satisfactory during the period

Audit code	Subject	Action	How	Objective	Phase/Timing	Criteria	Evidence	Finding	Status
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	-	Refer to Table 5.4 Actions KA38 to KA41	The Loop 0 – FRC end of loop audit assessed four key management actions contained within the Rehabilitation Management Plan. One action was determined to be “Satisfactory during this period”, one action was determined to be “Not required at this stage”, and two actions were determined to be unable to be assessed. The Auditors consider that the Rehabilitation Management Plan has been implemented during construction of the Loop 0 - FRC. Loop 0 – FRC reinstatement and rehabilitation has been undertaken. Loop 0 – FRC rehabilitation does not require monitoring until 12 months following reinstatement.	Satisfactory during this period
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	-	DBP photographs dated 13 December 2011 DBNGP Stage 5B Expansion Project Fortescue River Crossing Post-construction environmental survey (MBS Environmental 2012) Draft summary tables, Appendix C: Summary of key findings against rehabilitation criteria, provided by Mattiske Consulting Summary of Site Inspections of Lowlands and Leda (Mattiske, June 2011) DBNGP Flora and Vegetation Rehabilitation Monitoring: Stage 5A Loops 1 – 6 (Mattiske, February 2012) DBP Stage 5B Expansion - Stage 5B Loop 0 Fortescue River Crossing Compliance Audit (Strategen 2012)	The Auditors reviewed the post construction report and associated DBP photographs which show that re-instatement of the site was undertaken. The Auditors consider that the Rehabilitation Management Plan has been implemented during construction of the Loop 0 - FRC. Loop 0 – FRC reinstatement and rehabilitation has been undertaken. Loop 0 – FRC rehabilitation does not require monitoring until 12 months following reinstatement. The Auditors reviewed the draft summary tables provided by Mattiske Consulting which provide data on Stage 5A (Loop 1-6) and Stage 5B (Loop 0-6). The overall report was in process at the time of the annual reporting; however the tables reviewed indicate that rehabilitation monitoring is underway. Monitoring for the remainder of Loops was underway at the time of annual reporting. Draft summary of results for Stage 5B indicates that Loop 0 2011 monitoring (on average) results were influenced by dominance of Buffel Grass, although results overall are similar to control areas. Stage 5B, Loops 1 – 6 on average met all completion criteria except for weed foliar coverage, which was not met for any loop section. The summary report for Lowlands and Leda shows that weed control has had beneficial results across all sites, and lists recommendations for follow up weed control and additional direct seeding to promote rehabilitation. 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:M14.5	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 http://www.dbp.net.au/the-pipeline/expansion.aspx	Requirement previously considered 'Substantially in compliance'. The Auditors reviewed the CEMP revision record and noted that there has been a minor revision of the Rehabilitation Management Plan during this period. The updated version of the Rehabilitation Management Plan (within the CEMP) was available on the DBP website during the audit period.	Completed in regards to original Plan Satisfactory during the period for subsequent revisions 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)	FRC-501-0701-01 Stage 5B Fortescue Crossing ELL Rev D DBNGP Stage 5 Expansion – Acid Sulphate Soil and Hydrogeologic Desktop Study (Parsons Brinckerhoff June 2006)	The Auditors reviewed the ELL and found that there was no indication of high, high to medium and medium to low acid sulphate soil risk areas being identified along the Loop 0 - FRC CROW. Parsons Brinckerhoff conducted a desktop assessment and identified areas of high, high to medium and medium to low risk acid sulphate soils along the pipeline route. Field investigations of medium or higher risk areas were subsequently undertaken and found no acid generating soils in Loop 0.	Satisfactory during this period
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	-	FRC-501-0701-01 Stage 5B Fortescue Crossing ELL Rev D	The Auditors reviewed the ELL and found that there was no indication of high, high to medium and medium to low acid sulphate soil risk areas being identified along the Loop 0 - FRC CROW.	Satisfactory during this period
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 Expansion, Loop 10 Compliance Audit [Strategen, January 2008]	Requirement indicated as completed in Audit Program, which DEC has reviewed and cleared as per Condition 4-2.	Cleared
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	Requirement previously considered 'Substantially in compliance' with regard to the original plan. The Auditors reviewed the CEMP revision record and noted that there were a number of revisions of the Acid Sulphate Soils and Dewatering Management Plan during this period.	Completed in regards to original Plan Satisfactory during this period for subsequent revisions of Plan
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	-	Refer to Table 5.4 Actions KA36 and KA37 FRC-501-0701-01 Stage 5B Fortescue Crossing ELL Rev D MBS Environmental Memo to DBP re Fortescue Crossing Pre-Construction Survey – Dewatering Operations (October 2011)	The Auditors reviewed the Loop 0 - FRC ELL, which indicated that no high, high to medium and medium to low acid sulphate soil risk areas were identified along the Loop 0 pipeline corridor. Two key actions contained within the Acid Sulphate Soils Management Plan were audited. Both actions were determined to be "Not required at this stage". The Auditors reviewed the MBS Environmental post-construction memo for the alteration to dewatering operations (October 2011) and noted that Acid Sulphate Soils were not included as an environmental constraint. The Auditors Acid Sulphate Soils Management Plan was not required to be implemented during this period.	Not required at this stage

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	-	<p>DBNGP Stage 5 Expansion, Loop 10 Compliance Audit [Strategen, January 2008]</p> <p>DBNGP Stage 5 Expansion Looping Project DBPL00-501-0722—01 Construction Environmental Management Plan Controlled Version 2 (December 2008) Revision Record Letter dated 5/08/09 to the Librarian, EPA providing a copy of the CEMP, Version 2, 22 December 2008.</p> <p>Letter dated 12/08/09 to the Librarian, State Library of Western Australia (Battye Library) providing a copy of CEMP, Version 2, 22 December 2008..</p> <p>Letters dated 31/08/09 from DBNGP to CEOs of all Western Australian Local Government Authorities providing a copy of CEMP, Version 2, 22 December 2008.</p> <p>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> <p>DBP website (DBP 2011) copy at http://www.dbp.net.au/the-pipeline/expansion.aspx</p>	<p>Requirement previously considered 'Substantially in compliance' with regard to the original plan and the revised plan dated 22/10/2008.</p> <p>The Auditors reviewed the CEMP revision record and noted that there were a number of revisions of the Acid Sulphate Soils and Dewatering Management Plan during this period. The updated version of the Acid Sulphate Soils and Dewatering Management Plan (within the CEMP) was available on the DBP website during the audit period.</p>	<p>Completed in regards to original plan and revised plan dated 22/10/2008</p> <p>Satisfactory during the period for subsequent revisions</p>
735:M16.1	Preliminary Decommissioning Plan - prepare	Prepare a Preliminary Decommissioning Plan for approval by the CEO.	<p>The Plan shall describe the framework and strategies to ensure that the site is left in an environmentally acceptable condition, and provides:</p> <ul style="list-style-type: none"> The rationale for the siting and design of plant and infrastructure as relevant to environmental protection. A conceptual description of the final landform at closure. A plan for a care and maintenance phase. 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	DBNGP Stage 5 Expansion, Loop 10 Compliance Audit [Strategen, January 2008]	Requirement indicated as completed in Audit Program, which DEC has reviewed and cleared as per Condition 4-2.	Cleared

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"> Removal or, if appropriate, retention of plant and infrastructure agreed in consultation with relevant stakeholders. Rehabilitation of all disturbed areas to a standard suitable for the agreed new land use(s). 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	Not yet relevant (not within 12 months of anticipated closure)	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	-	Not yet relevant (closure phase)	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	-	Not yet relevant (closure phase)	Not yet relevant.	Not required at this stage

Table 5.2 Schedule 1 audit

Element	Description	Audit criteria (Stage 5B)	Evidence	Finding
Location	Eleven loops, the first one starts approx. 2 km south of Dampier, the last loop is south of compressor station 10, which starts at about 17 km south-east of Rockingham, and ends at Wagerup West (Main Line Valve 144).	Loop 0 constructed in area as shown in Figure 1 Schedule 1, north of compressor station 1.	DBNGP Stage 5 Expansion Looping Project Construction Environmental Management Plan (CEMP) Figure 1.2 and Chapter 7 Construction right-of-way maps (DBPL00-501-0722-01, Controlled version 2, Revision B 22/12/2008). Environmental Line List (ELL) Stage 5B Fortescue Crossing ELL Rev D (FRC-501-0701-01). Fortescue River Open trench chart (dated 31 October 2011)	The CEMP includes maps showing the location of the pipeline which appear to be consistent with Figure 1 of Schedule 1. The Fortescue River Open trench chart confirms kilometre points over which work was conducted for Loop 0.
Proposed action	Construct eleven pipeline looping lengths of 660 mm diameter, buried adjacent to the existing DBNGP and looped to the existing DBNGP to increase flow of natural gas.	Pipeline of 660 mm diameter buried next to existing DBNGP	Fortescue River Open trench chart (dated 31 October 2011)	The Auditors compared photographs of pipeline sections utilised for construction of the Loop 0 – FRC to those previously assessed as compliant and found that they were consistent.
Total length of looping	Not more than 1300 kilometres, varying from 60 to 140 kilometres per loop (approximately).	Pipeline length laid in Loop 0 up to 137.2 km	Fortescue River Open trench chart (dated 31 October 2011) Environmental Line List (ELL) Stage 5B Fortescue Crossing ELL Rev D (FRC-501-0701-01) Site inspection 28-29/09/2011	The Auditors reviewed the Loop 0 ELL which stated that the Loop 0 - FRC CROW commenced at KP108.303 and completed KP108.895 with a total length of 0.592 km. The site visit confirmed this.
Biogeographical regions	Pilbara, Carnarvon, Gascoyne, Yalgoo, Geraldton Sand Plains, Swan Coastal Plain	Construction within the Pilbara biogeographical region	DBNGP Stage 5 Expansion Looping Project [DBPL00-501-0722-01] Construction Environmental Management Plan (and Appendices) Controlled Version 2 Revision D (17 August 2011) Chapter 7 Construction right of way maps (1 – 63) Environmental Line List (ELL) Stage 5B Fortescue Crossing ELL Rev D (FRC-501-0701-01) Fortescue Weekly Progress Report dated 21 October 2011 (Figures 2, 7 and 8)	The CEMP includes maps showing the location of the pipeline which appear to be consistent with Figure 1 of Schedule 1 and indicates that Loop 0 - FRC is located within the Pilbara biogeographical region. The ELL confirms the KP points over which work was conducted for Loop 0 - FRC. Photographs supplied by DBP confirmed the pipeline was constructed adjacent to the existing DBNGP demonstrating no change to the location of the pipeline easement for the project.

Element	Description	Audit criteria (Stage 5B)	Evidence	Finding
Local Government Authorities	Roebourne, Ashburton, Carnarvon, Upper Gascoyne, Shark Bay, Northampton, Chapman Valley, Mullewa, Irwin, Carnamah, Coorow, Dandaragan, Gingin, Chittering, City of Swan, City of Belmont, Kalamunda, Gosnells, City of Armadale, City of Cockburn, Town of Kwinana, Serpentine-Jarrahdale, Murray, Waroona	Loop 0 was constructed within the Shire of Roebourne	Site inspection 28-29/09/2011 DBNGP Stage 5 Expansion Looping Project [DBPL00-501-0722-01] Construction Environmental Management Plan (and Appendices) Controlled Version 2 Revision D (17 August 2011) Chapter 7 Construction right of way maps (1 – 63) Attachment 1 to Statement No. 735 dated 5 August 2011 DBP Stage 5B Expansion - Stage 5B Loop 0 Fortescue River Crossing Compliance Audit (Strategen 2012)	Schedule 1 of Statement 735 indicates that Loop 0 - FRC is in the Shire of Roebourne The Auditors' site inspection confirmed the pipeline was constructed adjacent to the existing DBNGP demonstrating no change to the location of the pipeline easement for the project. This item was addressed in the Loop 0 - FRC Compliance Report. The Auditors noted that there has been a section 45C amendment to the project approving construction in Easement A adjacent to the DBNGP easement for the FRC component.
Tenure	The pipeline will be constructed 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 DP 67493 (figure 2)..	New pipeline within DBNGP easement and Easement A.	DBNGP Stage 5 Expansion Looping Project [DBPL00-501-0722-01] Construction Environmental Management Plan (and Appendices) Controlled Version 2 Revision D (17 August 2011) (Appendix 7 Typical drawings) Attachment 1 to Statement No. 735 dated 5 August 2011 Environmental Line List (ELL) Stage 5B Fortescue Crossing ELL Rev D (FRC-501-0701-01) DBNGP Stage 5B Looping Expansion Project Fortescue River Crossing – Pre-construction Environmental Survey (MBS Environmental 2011) Memorandum - Fortescue Crossing Pre-Construction Survey Follow-up (MBS Environmental, 8 Sept 2011) MBS Environmental Memo to DBP re Fortescue Crossing Pre-Construction Survey – PL40 (October 2011) MBS Environmental Memo to DBP re Fortescue Crossing Pre-Construction Survey – Stringing Extra Workspace Extension (October 2011) Site inspection 28-29/09/2011 Loop 0 - FRC open trench chart (dated 31 October 2011)	The Auditors reviewed pre-construction surveys and noted that areas denoted PL91 (Right of Way) and PL40 (existing pipeline easement) were indicated, and were adjacent. The Auditors' site inspection confirmed excavation works were conducted adjacent to the existing DBNGP. KP points registered within the ELL and Loop 0 – FRC open trench chart indicate that construction was undertaken at the Fortescue River Crossing.
Easement width	The existing easement is 30 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.	Construction width between 20 and 30 m except through environmentally sensitive areas, where it should be 20 m: <ul style="list-style-type: none"> Wetland and 50 m wetland buffers Areas within 50 m of rare flora TEC areas Bush Forever sites EPP lakes and wetlands. 	Environmental Line List (ELL) Stage 5B Fortescue Crossing ELL Rev D (FRC-501-0701-01) DBNGP Stage 5 Expansion Looping Project [DBPL00-501-0722-01] Construction Environmental Management Plan (and Appendices) Controlled Version 2 Revision D (17 August 2011) (Appendix 7 Typical drawings) Attachment 1 to Statement No. 735 dated 5 August 2011	The Auditors reviewed the ELL and noted that there are no environmentally sensitive areas along or adjacent to the Loop 0 - FRC pipeline easement. The pre-construction surveys indicate that the Extension to the CROW utilised for the FRC was 100 m wide, and located to the west of the PL40 pipeline easement. Attachment 1 to Statement No. 735 indicates that the Western portion of Easement A extends to 100 m to the west of the DBNGP corridor. It is noted that additional space to the east of the DBNGP corridor was also approved as part of Attachment 1 and was not utilised, as indicated by pre-construction surveys.

Element	Description	Audit criteria (Stage 5B)	Evidence	Finding
Activities outside the easement	Turnaround bays, campsites, turkey nests, lay down areas, water supply sources, access roads (approximately 139 ha, all to be rehabilitated)	Estimated area for turnaround bays, campsites, turkey nests, lay down areas, water supply sources, access roads is less than 139 ha.	<p>Clearing Register dated (28 October 2011)</p> <p>Site inspection 28-29/09/2011</p> <p>DBNGP Stage 5B Expansion Project Fortescue River Crossing Post-construction environmental survey (MBS Environmental 2012)</p> <p>Fortescue Weekly Progress Report WE (dated 2/09/2011 – 25/11/11)</p> <p>Email correspondence from DBP (dated 2/3/2012)</p> <p>DBNGP Stage 5 Looping Expansion Project 2009 Annual Environmental Compliance Report (DBPL00-501-0734-01) (Strategen 2010).</p> <p>DBNGP Stage 5 Looping Expansion Project 2010 Annual Environmental Compliance Report (Strategen 2011).</p>	<p>The Minister for Environment has approved clearing of 139 ha of native vegetation outside of the pipeline easement for the Stage 5 Expansion project.</p> <p>DBP advised that the only clearing during the period occurred during Loop 0 – FRC construction.</p> <p>The Auditors reviewed the clearing register for Loop 0 – FRC, which indicates clearing activities outside the easement were conducted for extra workspace, access tracks, four passing bays and one turn around on the northern access track and water truck link. The total vegetation cleared is outlined as 0.911 ha. The Auditors reviewed the post construction environmental survey which contains photo monitoring points including GPS locations and figures indicating location in relation to the pipeline easement; section of easement A; and areas outside of these. Photo point monitoring indicates that disturbance was within the area surveyed and delineated prior to construction.</p> <p>DBP advised that incidents were logged within the weekly reports and form the incident register until such time as they are entered into the Jasper incident reporting system.</p> <p>No incidents of clearing outside authorised areas were noted in the weekly reports for the Loop 0 – FRC end-of-loop report.</p> <p>The total clearing for Stage 5 has previously been reported as 89.488 ha. This includes 49.332 ha for Stage 5A and 40.116 ha for Stage 5B.</p> <p>Total clearing on Stage 5 to this time is 90.359 ha, being less than the limit of approximately 139 ha.</p> <p>Rehabilitation is reported separately, in accordance with the requirements of the management plan.</p> <p>The totals fall within the limits set and are considered compliant.</p>
Temporary area of disturbance within easement	Not more than 3200 hectares (including not more than 1300 hectares of vegetation).	<p>Estimated area of disturbance for Loop 0 is less than the Loop 0 percentage of the total area of disturbance approved under Statement 735.</p> <p>Estimated area of vegetation clearing for Loop 0 is less than the Loop 0 percentage of the total area of disturbance approved under Statement 735.</p>	<p>Environmental Line List (ELL) Stage 5B Fortescue Crossing ELL Rev D (FRC-501-0701-01)</p> <p>Fortescue River Open trench chart (dated 31 October 2011)</p> <p>Site inspection 28-29/09/2011</p> <p>DBNGP Stage 5 Looping Expansion Project 2009 Annual Environmental Compliance Report (DBPL00-501-0734-01) (Strategen 2010).</p> <p>DBNGP Stage 5 Looping Expansion Project 2010 Annual Environmental Compliance Report (Strategen 2011).</p> <p>Email correspondence from DBP (dated 21/3/2012)</p>	<p>The Auditors understand that the area approved for clearing for the Stage 5B Looping Project was established by calculating the length of the project corridor multiplied by the relevant corridor width. Therefore, the estimated area of disturbance for Loop 0 - FRC and the estimated area of clearing for Loop 0 - FRC would be established by calculating the length of the loop by the relevant corridor widths.</p> <p>The ELL states that the Loop 0 - FRC pipeline corridor starts at KP 108.303 and finishes at KP 108.895, with a construction corridor width of 100 m. It is noted that Loop 0 – FRC included areas of riverbed where there was no vegetation evident.</p> <p>DBP advised that the only clearing during the period occurred during Loop 0 – FRC construction.</p> <p>It is also noted that construction included disturbance of 2724 ha of regrowth, this was not included in the assessment of clearing as it was advised that these areas have previously been accounted for.</p> <p>The total area of disturbance of both Stages 5A and 5B is approximately 2381 ha, with approximately 414 ha of vegetation disturbance in areas of conservation value (conservation areas, wetland buffers, etc.) and 115 ha of vegetation disturbance outside conservation value areas. The details of the areas of disturbance over each of the Stages is presented in Table 5.3</p> <p>All areas of vegetation disturbance have been rehabilitated. Rehabilitation is reported separately, in accordance with the requirements of the management plan.</p> <p>The totals fall within the limits set and are considered compliant.</p>

Table 5.3 Disturbance areas within Easement

Stage	Areas of Conservation Value Disturbed (ha)	Areas of Vegetation Outside Areas of Conservation Value (ha)	Other Areas of Disturbance (ha)	Totals (ha)
Stage 5A	210.846	53.823	1025.915	1290.5840
Stage 5B	203.096	61.2298	826.5088	1090.8346
Totals (ha)	413.942	115.0528	1852.4238	2381.4186

Table 5.4 Key Actions summary table

Action No.	MS Area	Management Action	Evidence	Finding	Status
KA 1	Results of Spring Flora Surveys	Areas of conservation value that intersect with potential construction areas shall be entered onto the ELL.	DBNGP Stage 5 Looping Expansion Project Fortescue River Crossing Pre-Construction Environmental Survey (August 2011) DBP ForRiver Pre-con Survey Final – MBS (Doc No. PDF1) MBS Memo to DBP re additional information regarding Pre-construction survey (dated 08/09/11) Environmental Line List (ELL) Stage 5B Fortescue Crossing ELL Rev D (FRC-501-0701-01)	The Auditors reviewed the Loop 0 - FRC Pre-construction survey and memo, along with the Loop 0 - FRC ELL. These documents confirm that no areas of conservation value occur along the Loop 0 – FRC pipeline corridor.	Satisfactory during this period
KA 2	Results of Spring Flora Surveys	No ground disturbing activities shall commence within areas of conservation value until the pre-construction field survey for that area is complete and a report submitted to DEC, in accordance with the Weed and Dieback Area Management Protocol and the Flora and Vegetation Management Protocol.	Environmental Line List (ELL) Stage 5B Fortescue Crossing ELL Rev D (FRC-501-0701-01) DBNGP Stage 5 Looping Expansion Project Fortescue River Crossing Pre-Construction Environmental Survey (August 2011) DBP ForRiver Pre-con Survey Final – MBS (Doc No. PDF1) MBS Environmental Memo to DBP re additional information regarding Pre-construction survey (dated 08/09/11) Email dated 15/08/2011 providing DEC with the pre-construction survey Email dated 9/9/2011 providing DEC with follow up information in regards to pre-construction survey, And timing of commencement of construction of bell holes and fauna inspections Fortescue Construction Weekly Report WE 20110902 (dated 2/09/2011) MBS Environmental Memo to DBP re Fortescue Crossing Pre-Construction Survey – Dewatering Operations (October 2011). MBS Environmental Memo to DBP re Fortescue Crossing Pre-Construction Survey – PL40 (October 2011). MBS Environmental Memo to DBP re Fortescue Crossing Pre-Construction Survey – Stringing Extra Workspace Extension (October 2011).	The Auditors reviewed the Loop 0 - FRC Pre-construction survey and memo, along with the Loop 0 - FRC ELL. These documents confirm that no areas of conservation value occur along the Loop 0 – FRC pipeline corridor. It is noted that a pre-construction environmental survey (MBS Environmental 2011) was conducted for Loop 0 - FRC on 4, 26 and 27 July 2011 prior to commencement of construction activities, which commenced on 27 August 2011. A follow up pre-construction survey was carried out on 27- 29 August and 2 September to address additional disturbance areas and provide two corrections to the original pre-construction survey report, which were in relation to the recorded location and species of one habitat tree. These documents were provided to DEC. An additional three pre-construction surveys were also undertaken in October 2011 as works progressed. These were in relation to alterations to dewatering operations; Pipeline area PL40, in advance of tie-in works; and stringing extra space south of the CITIC Pacific area. All additional pre-construction surveys noted that there were no environmental constraints found. Note was made that potential erosion from dewatering operations would need to be monitored and controlled.	Not required at this stage
KA 3	Results of Spring Flora Surveys	A 20 m buffer zone shall be marked around any DRF, Priority Flora or TECs within 20 m of the construction right-of-way and the construction right-of-way width reduced to no less than 20 m, provided such reduction can be implemented on the western (working) side. Where a reduction in construction right-of-way width on the western side will not intersect with the buffer zone, no reduction in width is required as the eastern edge of the construction right-of-way is fixed by the pipeline alignment.	Environmental Line List (ELL) Stage 5B Fortescue Crossing ELL Rev D (FRC-501-0701-01) DBNGP Stage 5 Looping Expansion Project Fortescue River Crossing Pre-Construction Environmental Survey (August 2011) DBP ForRiver Pre-con Survey Final – MBS (Doc No. PDF1) MBS Memo to DBP re additional information regarding Pre-construction survey (dated 08/09/11) MBS Environmental Memo to DBP re Fortescue Crossing Pre-Construction Survey – Dewatering Operations (October 2011). MBS Environmental Memo to DBP re Fortescue Crossing Pre-Construction Survey – PL40 (October 2011). MBS Environmental Memo to DBP re Fortescue Crossing Pre-Construction Survey – Stringing Extra Workspace Extension (October 2011).	The pre-construction environmental surveys and ELL do not identify any DRF, Priority Flora or TECs in relation to Loop 0 - FRC.	Not required at this stage

Action No.	MS Area	Management Action	Evidence	Finding	Status
KA 4	Vegetation Disturbance	On-ground making of protection zones shall be through the use of fencing or flagging, and signage on site. On-ground marking of the areas of conservation value shall remain in place until completion of clean up and rehabilitation.	Environmental Line List (ELL) Stage 5B Fortescue Crossing ELL Rev D (FRC-501-0701-01) DBNGP Stage 5 Looping Expansion Project Fortescue River Crossing Pre-Construction Environmental Survey (August 2011) DBP For River Pre-con Survey Final – MBS (Doc No. PDF1) MBS Memo to DBP re additional information regarding Pre-construction survey (dated 08/09/11)	The Auditors reviewed the Loop 0 - FRC pre-construction survey and ELL, which indicated that no areas of conservation value or protection zones occur along the Loop 0 - FRC area.	Not required at this stage
KA 5	Vegetation Disturbance	The construction right-of-way width shall be reduced to 20 m within all areas of conservation value, with the exception of those areas containing DRF, Priority Flora or TECs.	Environmental Line List (ELL) Stage 5B Fortescue Crossing ELL Rev D (FRC-501-0701-01) DBNGP Stage 5 Looping Expansion Project Fortescue River Crossing Pre-Construction Environmental Survey (August 2011) DBP For River Pre-con Survey Final – MBS (Doc No. PDF1) MBS Memo to DBP re additional information regarding Pre-construction survey (dated 08/09/11)	The Auditors reviewed the Loop 0 - FRC pre-construction survey and ELL, which indicated that no areas of conservation value occur along the Loop 0 - FRC area.	Not required at this stage
KA 6	Vegetation Disturbance	A construction survey will be undertaken immediately prior to construction commencing, with pegs to clearly delineate the construction right-of-way and all areas of disturbance outside the construction right-of-way.	Clearing Register 2011 10 28 (Fortescue River Crossing – Clearing in Disturbance Areas). Email correspondence from DBP (dated 21/3/2012) DBP Stage 5B Expansion - Stage 5B Loop 0 Fortescue River Crossing Compliance Audit (Strategen 2012)	DBP advised that clearing occurred only in relation to the Loop 0 – FRC construction. The Loop 0 – FRC end-of-loop report indicates that pre-construction reports were carried out prior to work commencing.	Satisfactory during this period
KA 7	Vegetation Disturbance	No construction activities shall be undertaken outside the delineated construction corridor and area of disturbance unless specifically approved.	Clearing Register 2011 10 28 (Fortescue River Crossing – Clearing in Disturbance Areas) Site inspection 28-29/09/2011 Fortescue Weekly Progress Report WE (dated 2/09/2011 – 25/11/11) Email correspondence from DBP (dated 2/3/2012)	The Minister for the Environment has approved clearing of 139 ha DBP advised that the only clearing during the period occurred during Loop 0 – FRC construction. Various areas of disturbance outside the CROW were observed when on-site. The Auditors reviewed the Clearing Register that showed that approximately 0.911 ha of vegetation had been cleared outside the CROW. DBP advised that incidents were logged within the weekly reports and form the incident register until such time as they are entered into the Jasper incident reporting system. No incidents of clearing outside authorised areas were noted in the weekly reports for the Loop 0 – FRC end-of-loop report. Total clearing on Stage 5 to this time is 90.359 ha, being less than the limit of approximately 139 ha. The totals fall within the limits set and are considered compliant.	Satisfactory during the period
KA 8	Vegetation Disturbance	In the event that Threatened Flora cannot be avoided and destruction of some plants is necessary to implement the project, the following management steps shall be taken: 1. The impact of removal of the plants on the conservation status of the species shall be assessed at a local and regional scale by a qualified botanical consultant. 2. Options for transplanting of individual plants or salvage of biological material for later propagation shall be assessed by a qualified botanical consultant. 3. An application to take DRF shall be prepared and submitted to DEC for approval by the Minister for the Environment in accordance with the Wildlife Act. All conditions of permits shall be followed.	Environmental Line List (ELL) Stage 5B Fortescue Crossing ELL Rev D (FRC-501-0701-01) DBNGP Stage 5 Looping Expansion Project Fortescue River Crossing Pre-Construction Environmental Survey (August 2011) DBP For River Pre-con Survey Final – MBS (Doc No. PDF1) MBS Memo to DBP re additional information regarding Pre-construction survey (dated 08/09/11)	The Auditors reviewed the Loop 0 - FRC pre-construction environmental surveys and ELL, which indicated that no Threatened Flora occur along the Loop 0 - FRC area.	Not required at this stage
KA 9	Vegetation Disturbance	Cleared vegetation and log debris shall be stockpiled along the construction corridor separately from topsoil.	Site inspection 28-29/09/2011 Strategen Photographs dated 30/09/2011	The Auditors inspection confirmed that cleared vegetation and log debris were stored separately to topsoil. Storage areas were located within the delineated CROW.	Satisfactory during this period
KA 10	Vegetation Disturbance	Stockpiles shall be located adjacent to where vegetation has been cleared.	Site inspection 28-29/09/2011 Strategen Photographs dated 30/09/2011	The Auditors inspection confirmed that stockpiles were located adjacent to areas where vegetation had been cleared. Piles were located along the length of the construction right-of-way and within the delineated area.	Satisfactory during this period

Action No.	MS Area	Management Action	Evidence	Finding	Status
KA 11	Fauna	Welded pipeline sections shall be capped at end of shifts to prevent fauna entry.	Site inspection 28-29/09/2011 Strategen Photographs dated 30/09/2011 Fortescue Weekly Progress Report WE 20111021 Final	The Auditors site inspection confirmed that the length of welded pipeline was capped at the start of the shift on 29 September 2011. DBP advised that caps were fitted at the end of shift, and the inspection occurred prior to work commencing. Figure 11 of the weekly progress report also shows the end cap in place during the tie-in process.	Satisfactory during this period
KA 12	Fauna	Fauna shelters/refuges (e.g.: cardboard boxes, hessian bags, commercial egg cartons) shall be placed in open trenches at intervals not exceeding 100 m unless alternative arrangements are agreed with DMP in consultation with DEC on a loop by loop basis.	Fortescue Weekly Progress Report WE 20111007 FinalV2 Fortescue Weekly Progress Report WE 20111021 Fortescue Weekly Progress Report WE 20111028 Fortescue Weekly Progress Report WE 20111104 DBNGP Stage 5 Expansion Looping Project [DBPL00-501-0722-01] Construction Environmental Management Plan (and Appendices) Controlled Version 2 Revision D (17 August 2011) Email correspondence from KD1 to Strategen (dated 2/03/2012)	As noted in the CEMP, the use of floatation devices is an acceptable method of managing water body lengths in situations where dewatering of the trench is not to be undertaken. Fortescue Weekly Progress report (dated 7 October 2011) states that hessian bag drops offs were continued in excavation areas, with the additional measure of flotation devices being commenced. Figure 9 of the weekly progress report dated 7 October 2011 shows examples of the flotation devices utilised during trenching activities. Utilisation of flotation devices was commenced on 5 October 2011. Fortescue Weekly Progress Reports during the period that open trenching was carried out (16 October – 29 October) state that hessian bags and flotation devices were placed in the excavation areas on the northern and southern sides of the river.	Satisfactory during the period
KA 13	Fauna	Trench plugs and fauna exit ramps shall be installed at both ends of trenches at intervals not exceeding 1200 m and ramp slopes are not to exceed 45° unless alternative arrangements are agreed to with DoIR in consultation with DEC, on a loop by loop basis.	Fortescue River Crossing Open Trench Chart dated 31 October 2011	The Auditors reviewed the open trench chart, which shows the entire length of trench for Loop 0 – FRC was approximately 600 m, which is less than 1200 m. DBP provided photographs showing the trench slope, which appear to be less than 45° however this was unable to be verified.	Unable to assess
KA 14	Fauna	Open trenches shall be inspected and cleared by fauna handling teams by: <ul style="list-style-type: none"> Loops 0 – 7: 4.5 hours after sunrise Loops 8 – 10: 5.0 hrs after sunrise or by times to be agreed to by DoIR in consultation with DEC. 	Weekly fauna Inspection reports (period 9/09/2011 to 25/11/2011) Loop 0 FRC open trench chart (dated 31 October 2011) DBNGP Stage 5B Expansion Project Looping, Western Australia, Project Specific Procedure, Fauna Interaction [MacDow, Y014-022-1975, Rev 1, 28/05/2009] Fortescue Weekly Progress Report WE 20111028 Final Audit Interview 29/09/2011	The Auditors reviewed the open trench chart that indicated trenching was conducted during the period 16/10/2011 to 29/10/2011 and the fauna clearing weekly reports that indicated that fauna clearing was conducted from the 7/9/2011 to 23/11/2011, encompassing excavation and earthmoving activities as well as trenching activities. Fauna reports recorded the time of sunrise and the time that clearing of trenches was completed. One occasion was noted where fauna inspections were conducted later than 4.5 hours after sunrise (5/11/2011), however this incidence was not during open trench works. Weekly progress report (WE 20111028 Final, Section 2.2) states that additional fauna inspections were also completed prior to lowering-in and backfill. These additional inspections are not reflected in the fauna inspection logs.	Satisfactory during this period with respect to trenches being cleared no later than 4.5 hours after sunrise
KA 15	Fauna	Trench shall be inspected by construction contractor and cleared by a fauna handler half an hour prior to backfilling.	Fortescue Weekly Progress Report WE 20111028 Final DBNGP Stage 5B Expansion Project Looping, Western Australia, Project Specific Procedure, Fauna Interaction [MacDow, Y014-022-1975, Rev 1, 28/05/2009] Email correspondence from DBP to Strategen (dated 2 March 2012)	Weekly progress report (WE 20111028 Final Section 2.2) states that additional fauna inspections were completed prior to lowering-in and backfill. DBP advised that trench backfilling occurred immediately following fauna inspections logged in Weekly fauna inspection reports. Further verification was not provided	Unable to assess
KA 16	Fauna	Open trench lengths shall not exceed lengths capable of being practically inspected and cleared in accordance with this protocol by the available fauna teams at any time.	Weekly fauna Inspection reports (period 9/09/2011 to 25/11/2011) Loop 0 FRC open trench chart	The Auditors reviewed the open trench chart and fauna clearing weekly reports, which confirmed that the length of trench open could be cleared with the available qualified fauna clearing persons within the required period of 4.5 hours after sunrise.	Satisfactory during this period

Action No.	MS Area	Management Action	Evidence	Finding	Status
KA 17	Fauna	Habitat trees within or immediately adjacent to any construction areas shall be marked by the fauna handling team and the relevant Regional Office of DEC advised with opportunity to comment. Marked trees shall not be felled except where they materially interfere with construction of the pipeline, or are a safety concern. All habitat trees identified for felling within DEC managed estate will require signoff by the local DEC district representative.	DBNGP Stage 5B Looping Expansion Project Fortescue River Crossing – Pre-construction Environmental Survey (MBS Environmental, 2011). Memorandum - Fortescue Crossing Pre-Construction Survey Follow-up (MBS Environmental, 8 Sept 2011) Site inspection 28-29/09/2011 DBP Post construction Photographs dated 13 December 2011 DBP Figure – Vegetation Clearing Fortescue River Crossing (dated 25/01/2012) MBS Environmental Memo to DBP re Fortescue Crossing Pre-Construction Survey – Dewatering Operations (October 2011). MBS Environmental Memo to DBP re Fortescue Crossing Pre-Construction Survey – PL40 (October 2011). MBS Environmental Memo to DBP re Fortescue Crossing Pre-Construction Survey – Stringing Extra Workspace Extension (October 2011).	The Auditors reviewed the pre-construction survey, which shows the locations of 12 habitat trees within the construction right-of-way and adjacent areas. Email dated 15 August shows that the pre-construction survey was provided to DEC prior to construction commencing. Auditors carried out a site inspection (28-29/09/2011) and confirmed that trees were marked and flagged off from the work area where they were not in the direct line of the pipeline construction activities. Photographs supplied from DBP taken post construction show retained habitat trees within the rehabilitated CROW. DBP Figure - Vegetation clearing Fortescue River (dated 25/01/2012) shows that four of the 12 identified habitat trees were cleared, with eight being retained on completion of the re-instatement of the site. According to the ELL, there were no DEC managed estates in Loop 0 - FRC.	Satisfactory during this period
KA 18	Fauna	Prune habitat trees that overhang construction areas, rather than remove them, where practical. Pruning is to be undertaken with the 'three cut method' to prevent bark stripping.	Site inspection 28-29/09/2011 DBP Figure – Vegetation Clearing Fortescue River Crossing (dated 25/01/2012) DBNGP Stage 5B Looping Expansion Project Fortescue River Crossing – Pre-construction Environmental Survey (MBS Environmental, 2011). Memorandum - Fortescue Crossing Pre-Construction Survey Follow-up (MBS Environmental, 8 Sept 2011)	Auditors reviewed the pre-construction environmental survey, which showed that 12 habitat trees were identified within the CROW and adjacent areas. DBP Figure - Vegetation clearing Fortescue River (dated 25/01/2012) shows that four of the 12 identified habitat trees were cleared, with eight being retained on completion of the re-instatement of the site. DBP and MBS Environmental staff advised that pruning methods were utilised in efforts to retain habitat trees before removal. The Auditors were able to review photographs showing pruning practices undertaken.	Satisfactory during this period
KA 19	Fauna	Daily checks of Bureau of Meteorology flood forecasts shall be undertaken. In the event of flooding being forecast for areas with open trench, the contingency action shall be implemented.	Weekly progress reports dated (2/09/2011 – 25/11/2011)	The Auditors reviewed weekly reports (2/09/2011 – 25/11/2011) which state that weather conditions were monitored daily. Weekly reports also state that no forecasts of flooding were recorded by the Bureau of Meteorology during the time the open trench works were underway. No trenches were backfilled as a result of weather forecasts, and no reference to consultation with DEC was made in weekly progress reports in relation to this topic.	Satisfactory during this period

Action No.	MS Area	Management Action	Evidence	Finding	Status
KA 20	Fauna	Where a trench contains water and is not dewatered, the trench shall not remain open for longer than 7 days, except within wetlands and environmentally sensitive areas where it shall not remain open for longer than 48 hours.	<p>Loop 0 FRC – open trench chart FRC-501-0701-01 Stage 5B Fortescue Crossing ELL Rev D Weekly report (WE 20111007 Final V2) Weekly report (WE 20111014 Final) Weekly report (WE 20111021 Final) Weekly report (WE 20111028 Final) Fortescue Weekly Progress Report WE (dated 2/09/2011 – 25/11/11) Email correspondence from DBP (dated 2/3/2012)</p>	<p>Auditors reviewed the ELL, which confirms that the FRC is not classified as a wetland or an Environmentally Sensitive Area, but is classified as a Watercourse crossing. This requires trenching to be open for no longer than 7 days.</p> <p>Auditors reviewed the Loop 0 FRC open trench chart, which indicates that areas of trench were open longer than 7 days. Exceedences were up to 7 days between KP270 and KP300.</p> <p>Weekly report (WE 20111028 Final) states that the delay was caused by issues with initial attempts to secure the winch anchor due to ground conditions; failure of the concrete infill joints causing a delay in the 'tow-in' of the pipe string; water ingress from the surrounding ground was not able to be adequately dewatered, resulting in additional earthworks to enable the side boom to lift the concrete coated string clear to complete the tie-in process.</p> <p>DBP advised that it was considered that the trench could not be safely backfilled and then safely re-trenched/excavated due to the already established winching and associated machinery and equipment. DBP note that this potential non-compliance did not result in any environmental impact or harm. No fish depths in the trench were recorded in the fauna reports during the period the trench was open beyond the 7 day limit.</p> <p>DBP advised that incidents were logged within the weekly reports and form the incident register until such time as they are entered into the Jasper incident reporting system.</p> <p>No incidents in relation to the open trench exceedences were noted in the weekly reports.</p> <p>Additionally, the weekly reports dated 7/10/2011 and 14/10/2011 state that a test hole was dug to review trench wall stability; and that trial excavation was completed and test hole backfilled. This trenching was not included in the open trench chart and it is understood that it occurred outside of the pipeline alignment. DBP advised that this test hole was not pipeline trench and was conducted outside the pipeline alignment. As a result, it was not included in the open trench chart which related to the open trench. The test hole was inspected for fauna and recorded on the Weekly fauna report (WE 20111014 Final). DBP advised that the test hole was commenced at midday 8/10/2011 and backfilled on 13/10/2011, being open for less than six days.</p>	Potential non-conformance

Action No.	MS Area	Management Action	Evidence	Finding	Status
KA 21	Fauna	<p>Daily trench inspections and fauna handling shall only be undertaken by teams of a minimum of two people. At least one person in each team must be able to demonstrate experience in:</p> <ul style="list-style-type: none"> • fauna identification, capture and handling (including venomous snakes) • identification of tracks, scats, burrows and nests of conservation significant species (i.e. mulgara or malleefowl) • fauna vouchering • assessing injured fauna for suitability for release, rehabilitation or euthanasia • familiarity with the ecology of the species that may be encountered in order to be able to appropriately translocate fauna encountered • performing euthanasia • interacting with venomous snakes. <p>The means of demonstrating the required experience shall be through the holding of a Section 15 Licence to take fauna for public purposes, under the Wildlife Conservation Regulations 1950, issued specifically for the purposes of fauna capture and release on the DBNGP Stage 5 Looping Expansion, and based on having the required experience as above.</p> <p>Basic fauna handling training is to be provided to all members of fauna handling teams who do not possess the above experience. This training is to be provided before team members are employed in fauna inspection or clearing activities, in accordance with a DEC approved training package. Experienced fauna handlers are to conduct training, unless otherwise authorised by DBP.</p> <p>An experienced zoologist or veterinarian shall be available for consultation on fauna handling matters as required. The zoologist need not be located on site.</p>	<p>Weekly fauna inspection reports (period 09/09/11 – 25/11/11)</p> <p>Loop 0 Open trench chart</p> <p>FortescueRiver_Fauna_Handler_RegisterRevC_111006 dated 06/10/2011</p> <p>Email from DEC dated 21/07/11 approving the list of fauna handlers qualifications and experience as outlined in FortescueRiver_Fauna_Handler_Register 2011 07 15</p> <p>Email from DEC dated 10/10/2011 approving the list of fauna handlers as stated in: FortescueRiver_Fauna_Handler_RegisterRevC_111006 dated 06/10/2011</p> <p>Letter from DBP to DEC re application for Regulation 15 licence for all senior fauna handlers (21 July 2011)</p> <p>Letter from DEC to DBP confirming the approval and licence conditions for Regulation 15 for fauna handlers (2 September 2011)</p> <p>Site inspection and interview 28-29/09/2011</p> <p>Weekly Progress Report WE 20111021 Figure 12</p> <p>Memo from MBS Environmental to DBP re Specialist Zoologist Personnel dated September 2011</p>	<p>The Auditors reviewed the open trench chart and fauna weekly reports and noted that fauna weekly reports were produced for the period 16/10/2011 – 29/10/2011, which corresponds to the time that open trenching was conducted.</p> <p>All Weekly Fauna Inspection reports indicate that all inspections were carried out by a team of two fauna clearing persons, one of whom was identified as a Senior Fauna Handler.</p> <p>The Auditors reviewed the Regulation 15 licence approval from DEC, which includes all senior fauna handlers listed on the Fauna Handler Register.</p> <p>Through review of the Fauna Handler Register and fauna weekly reports, the Auditors confirmed that during the above period the fauna handlers listed on the fauna reports correspond to the fauna handlers listed in the Fauna Handler Register.</p> <p>A photograph presented in Weekly Progress Report during open trench work shows fauna handlers with access to the appropriate tools (hoop bag and snake jigger) during fauna inspections.</p> <p>The Auditors reviewed a memo, which indicated that an experienced zoologist was available for consultation on fauna handling matters at all times.</p> <p>An updated training register providing information with respect to training and induction could not be reviewed.</p>	Satisfactory during this period
KA 22	Fauna	In all conservation areas and in vegetated bushland areas in Loops 8 – 10, trenches shall not be left open during construction breaks that exceed three days duration.	N/A	This compliance audit report addresses construction of Loop 0 - FRC Stage 5B; this condition is not relevant to this loop.	Not required at this stage
KA 23	Fauna	No part of the trench, other than "bell holes", shall remain open for more than 14 days unless such an exceedance can be demonstrated as being unavoidable under the prevailing circumstances and approval is obtained from the CEO of the DEC.	Loop 0 open trench chart dated 21/10/2011	The Auditors reviewed the open trench chart for Loop 0 - FRC and noted that no trenches were open for periods longer than 14 days, except bell holes.	Satisfactory during this period
KA 24	Fauna	In environmentally sensitive areas, no part of the trench shall remain open for more than 7 days unless such an exceedance can be demonstrated as being unavoidable under the prevailing circumstances and approval is obtained from the CEO of the DEC.	<p>Loop 0 open trench chart dated 21/10/2011</p> <p>FRC-501-0701-01 Stage 5B Fortescue Crossing ELL Rev D</p> <p>DBNGP Stage 5 Looping Expansion Project Fortescue River Crossing Pre-Construction Environmental Survey (August 2011) DBP ForRiver Pre-con Survey Final – MBS (Doc No. PDF1)</p> <p>MBS Memo to DBP re additional information regarding Pre-construction survey (dated 08/09/11)</p> <p>MBS Environmental Memo to DBP re Fortescue Crossing Pre-Construction Survey – Dewatering Operations (October 2011)</p> <p>MBS Environmental Memo to DBP re Fortescue Crossing Pre-Construction Survey – PL40 (October 2011)</p> <p>MBS Environmental Memo to DBP re Fortescue Crossing Pre-Construction Survey – Stringing Extra Workspace Extension (October 2011)</p>	The Auditors reviewed the Loop 0 - FRC ELL and pre-construction survey reports, which indicated that there were no environmentally sensitive areas along the Loop 0 - FRC area.	Not required at this stage
KA 25	Fauna	Trench open lengths and locations (trench start and end locations by KP points) shall be recorded daily	<p>Loop 0 Open trench chart dated 21/10/2011</p> <p>FRC-501-0701-01 Stage 5B Fortescue Crossing ELL Rev D</p>	The Auditors reviewed the Loop 0 - FRC open trench chart, which records the kilometre points of the start and finish of the trench open each day.	Satisfactory during this period
KA 26	Fauna	Weekly reports on fauna interactions shall be provided to the Environmental Management Branch and the relevant Regional office of DEC no later than one week after the period covered by the report.	<p>Weekly fauna inspection reports (for the period 09/09/11 – 25/11/11)</p> <p>Weekly emails to DEC for period 09/09/11 – 25/11/11</p> <p>Loop 0 Open trench chart dated 21/10/2011</p>	<p>The Auditors reviewed the weekly fauna inspection reports for the period 16/10/11 – 29/10/11 that includes the dates when trenching occurred as indicated in the Loop 0 open trench chart.</p> <p>The Auditors reviewed emails from DBP to DEC, which confirmed that all Fauna Reports were provided to DEC each week during the period of trenching within one week of the period covered by the report.</p>	Satisfactory during this period

Action No.	MS Area	Management Action	Evidence	Finding	Status
KA 27	Fauna	Performance monitoring reports on fauna management. Monthly reporting, to be made publicly available on completion of each Loop	DBP Monthly Summary Fauna Reports FRC-006-0705-01 January 2012.	The completion of each loop is considered to be at the time of hand over from DBP construction to operations. Commissioning occurred on 30 November 2011, with handover currently scheduled for April 2012. At the time of the audit, the fauna summary report was available online.	Satisfactory during this period
KA 28	Timing of Construction Works	Where practicable to do so, open trenching in Loops 0 to 2 shall be avoided between the months of November to March to minimise fauna stress or deaths during the summer months.	Weekly Progress Report dated 4/11/2011 Loop 0 Open trench chart dated 21/10/2011	Auditors reviewed the Loop 0 - FRC Open Trench Chart that showed that open sections of the trench (except Bell Holes) were backfilled by 29 October 2011.	Satisfactory during this period
KA 29	Timing of Construction Works	If open trenching is undertaken in Loops 0 to 2 during November to March, trenches shall be inspected and cleared by 3 hours after sunrise, except if the maximum daily temperature is forecast to exceed 35°C, then trenches shall be inspected and cleared by 2.5 hours after sunrise.	Weekly Progress Report dated 4/11/2011 Loop 0 Open trench chart dated 21/10/2011	Auditors reviewed the Loop 0 - FRC Open Trench Chart which showed that open sections of the trench (except Bell Holes) were backfilled by 29 October 2011	Not required at this stage
KA 30	Timing of Construction Works	If open trenching is undertaken in Loops 0 to 2 during November to March, local weather forecasts will be monitored on a daily basis. In the event of a forecast of rainfall likely to cause partial or complete flooding of an open trench, all lengths of trench with potential to be flooded will be backfilled, with trench inspections and fauna clearing undertaken immediately prior to backfilling. The decision on whether the trench should be backfilled shall be undertaken in consultation with the local regional office of the DEC.	Weekly Progress Report dated 4/11/2011 Loop 0 Open trench chart dated 21/10/2011	Auditors reviewed the Loop 0 - FRC Open Trench Chart that showed that open sections of the trench (except Bell Holes) were backfilled by 29 October 2011.	Not required at this stage
KA 31	River crossings	Riparian vegetation along watercourses which will be traversed will be delineated on the ground and the relevant Regional Office of DEC advised with opportunity to comment.	FRC-501-0701-01 Stage 5B Fortescue Crossing ELL Rev D DBNGP Stage 5 Looping Expansion Project Fortescue River Crossing Pre-Construction Environmental Survey (August 2011) DBP ForRiver Pre-con Survey Final – MBS (Doc No. PDF1) MBS Memo to DBP re additional information regarding Pre-construction survey (dated 08/09/11) Emails from DBP to DEC providing pre-construction information (dated 15/08/2011 and 9/09/2011) Site inspection 29-29/09/2011 Strategen Photographs dated 30/09/2011	The Auditors reviewed the Loop 0 - FRC ELL and Pre-construction Survey reports which confirmed that the Fortescue River and associated riparian vegetation occurred along the pipeline easement. The Auditors confirm that DEC was sent the Pre-construction survey reports prior to work commencing, providing them an opportunity to comment. The Auditor's site inspection confirmed that riparian vegetation was delineated on the ground.	Satisfactory during this period
KA 32	Wetlands	Where vegetation within a wetland or its associated buffer area is required to be disturbed to enable construction, the width of the construction right-of-way shall be reduced to 20 m where that reduction would result in minimising the disturbance. Flagging and signage will be used to delineate the reduced width and will remain in place until reinstatement is complete.	FRC-501-0701-01 Stage 5B Fortescue Crossing ELL Rev D	The Auditors reviewed the Loop 0 - FRC ELL and noted that no vegetation within a wetland buffer or associated buffer was required to be disturbed.	Not required at this stage
KA 33	Dieback and Weed Management	Field surveys of dieback risk areas shall be completed to identify medium to low, medium and high risk areas in Loops 8–10 and the Environmental Line List (ELL) updated with results.	N/A	This compliance audit report addresses construction of Loop 0 - FRC Stage 5B; this condition is not relevant to this loop.	Not required at this stage
KA 34	Dieback and Weed Management	Entry to areas identified as 'high risk', 'disease/weed free' and areas of conservation value in the ELL will only be through hygiene stations.	FRC-501-0701-01 Stage 5B Fortescue Crossing ELL Rev D DBNGP Stage 5 Looping Expansion Project Fortescue River Crossing Pre-Construction Environmental Survey (August 2011) DBP ForRiver Pre-con Survey Final – MBS (Doc No. PDF1) MBS Memo to DBP re additional information regarding Pre-construction survey (dated 08/09/11)	The Auditors reviewed the Loop 0 - FRC ELL and noted that there were no areas classified as high risk, disease/weed free or areas of conservation value. The Auditors reviewed the pre-construction survey and noted that no clean on entry/exit points were required.	Not required at this stage
KA 35	Dieback and Weed Management	Weed, pest and dieback (Loops 8 – 10 only) hygiene stations shall be located at: 1. Entry points for areas of conservation value. 2. Entry and exit points for areas identified as 'high risk' for dieback (Loops 8 – 10 only). 3. Entry and exit points for areas identified as 'high risk' for weeds.	N/A	This compliance audit report addresses construction of Loop 0 - FRC Stage 5B; this condition is not relevant to this loop.	Not required at this stage
KA 36	Acid Sulphate Soils and Dewatering	Pre-construction acid sulphate soil surveys shall be undertaken in areas where there is a HIGH, MEDIUM or MED-LOW risk of the presence of acid sulphate soils. Results shall be included in the Environmental Line List (ELL) and specific management plans developed for handling soils in these areas.	FRC-501-0701-01 Stage 5B Fortescue Crossing ELL Rev D DBNGP Stage 5 Expansion – Acid Sulphate Soil and Hydrogeologic Desktop Study (Parsons Brinckerhoff June 2006)	The Auditors reviewed the ELL and noted that no high, high to medium and medium to low acid sulphate soil risk areas were identified along the Loop 0 CROW. Parsons Brinckerhoff conducted a desktop assessment and identified areas of high, high to medium and medium to low risk acid sulphate soils along the pipeline route. Field investigations of medium or higher risk areas were subsequently undertaken and found no acid generating soils in Loop 0.	Not required at this stage

Action No.	MS Area	Management Action	Evidence	Finding	Status
KA 37	Acid Sulphate Soils and Dewatering	<p>Soils within the MEDIUM and HIGH risk areas that are confirmed to be potentially acid generating as evidenced by a sulphide content: for coarse sandy soils (clay content <5%) of 0.03%S, for sandy loam to light clay (clay content <40%) of 0.06%S and for clayey soils with clay content >40% of 0.1%S shall, in the case of dry soils be uniformly treated with sufficient neutralising agent using a method approved by the DEC. The amount of neutralising agent at any location shall be based on the laboratory defined %S concentration with a 1.5 safety factor. Approved treatment methods include either of the following:</p> <p>Prior to excavation of the trench, a layer of neutralising agent (aglime or lime sands) shall be laid along the trench line, within the width of the expected excavation. The thickness of the neutralising layer shall be based on the laboratory defined %S concentration with a 1.5 safety factor. Excavation of the trench will result in a blended stockpile. The blended stockpile should then all be placed into the trench during backfilling.</p> <p>The excavated soil stockpile shall be uniformly covered with the neutralising agent (aglime or lime sands) immediately upon excavation from the trench. The thickness of the neutralising layer shall be based on the laboratory defined %S concentration with a 1.5 safety factor. The stockpile and covering layer should then all be placed into the trench during backfilling to result in a blended backfill.</p>	FRC-501-0701-01 Stage 5B Fortescue Crossing ELL Rev D DBNGP Stage 5 Expansion – Acid Sulphate Soil and Hydrogeologic Desktop Study (Parsons Brinckerhoff June 2006)	<p>The Auditors reviewed the ELL and noted that no high, high to medium and medium to low acid sulphate soil risk areas were identified along the Loop 0 pipeline easement.</p> <p>Parsons Brinckerhoff conducted a desktop assessment and identified areas of high, high to medium and medium to low risk acid sulphate soils along the pipeline route. Field investigations of medium or higher risk areas were subsequently undertaken and found no acid generating soils in Loop 0.</p>	Not required at this stage
KA 38	Rehabilitation	Weed and disease management shall be managed in accordance with the Weed and Dieback Management Protocol (Section 4) and with the completion criteria set out in Section 18.6.	<p>Refer to KAs 33 to 35</p> <p>FRC-501-0701-01 Stage 5B Fortescue Crossing ELL Rev D DBNGP Stage 5 Looping Expansion Project Fortescue River Crossing Pre-Construction Environmental Survey (August 2011) DBP For River Pre-con Survey Final – MBS (Doc No. PDF1) MBS Memo to DBP re additional information regarding Pre-construction survey (dated 08/09/11) DBP Photographs dated 13/12/2011</p>	<p>The Auditors reviewed the Pre-construction survey report and memo, along with the ELL for Loop 0 which indicated that five agricultural weeds and one declared weed species (Mesquite, <i>Prosopis</i> spp) were identified. The locations of Mesquite north of the FRC project area were indicated in the ELL.</p> <p>Management of Mesquite plants as stated in the pre-construction memo (dated 08/09/2011) involved avoiding any disturbance to the recorded plants; delineating access tracks around Mesquite plants; and barricading Mesquite within the 100 m CROW on the northern side with a disturbance barrier of two metres from foliage and retained for the duration of the project. The Auditor's site visit confirmed that Mesquite was marked and site works were occurring in avoidance of these plants. The Auditors assessed that as the weed plants were not in the direct line of the pipeline this management was appropriate.</p> <p>There is only one rehabilitation action within the Weed and Disease Management Protocol, specifically "Stockpiles of weed and weed-free material, as well as dieback and dieback-free material, shall only be re-spread back into their area of origin". DBP Photographs show that soil and vegetation have been re-spread along the CROW, however it is not possible to verify that material was only re-spread back to their area of origin. Given that the pre-construction surveys did not identify or differentiate weed or dieback areas this may not have been necessary.</p> <p>There was no evidence to determine compliance with completion criteria.</p> <p>Three key actions contained within the Weed and Dieback Management Plan were audited. All actions were determined to be "Not required at this stage".</p> <p>Due to the monitoring and management of Mesquite plants throughout the FRC area it is considered that the Weed and Dieback Management Protocol (Plan) was implemented during this period.</p>	Satisfactory during this period

Action No.	MS Area	Management Action	Evidence	Finding	Status
KA 39	Rehabilitation	Erosion shall be managed in accordance with the Soil Management Protocol (Section 16) and with the completion criteria set out in Section 18.6.	Site inspection 28-29/09/2011 Strategen Photographs dated 30/09/2011 DBP Photographs dated 13 December 2011 DBNGP Stage 5B Expansion Project Fortescue River Crossing Post-construction environmental survey (MBS Environmental 2012)	The following actions contained within the Soil Management Protocol were audited: 1. Any topsoil removed, including leaf litter shall be stockpiled to one or either side of the corridor with breaks provided in the stockpiles to allow water and stock movement. 2. The topsoil shall be stockpiled in a manner so that it can be easily returned to the construction right-of-way during reinstatement 3. Graded topsoil shall be stockpiled separately from cleared stockpiled ground cover vegetation and other excavated material (e.g. trench spoil, padding material, etc). 4. All flagging and bunting installed for other than environmental or safety reasons shall be removed from the construction areas once backfilling and tie-ins are completed The Auditors site inspection and photographs confirm the following were undertaken: <ul style="list-style-type: none"> • stockpiling of soil with breaks to allow water and stock movement • stockpiling of soil and vegetation separately • graded topsoil had been stockpiled separately from groundcover vegetation and other excavated material • flagging for environmental purposes. DBP post construction report and photo point monitoring show that flagging for environmental purposes has been removed.	Satisfactory during this period
KA 40	Rehabilitation	A watercourse crossing rehabilitation and wet crossing plan shall be prepared and submitted to DoW for approval. The plan should set out the rehabilitation procedure for all major watercourse crossings and should include geotechnical survey data, stabilisation techniques and revegetation plans. The plan should also set out the detailed procedures to be applied where crossing watercourses that contain water is to be prepared for the approval of the DoW (wet crossing procedure). The procedures are to ensure that there is no adverse effect on the flow available to downstream users in terms of either quantity or quality. The procedures will set out the methods to be employed, including flow bypass methods, i.e.: trenches, pumps etc. Detailed requirements for the procedures are set out in Section 9.4.1 below.	Appendix 15 Watercourse Crossing Procedure DBPL00-503-0702-01	The Watercourse Crossing Procedure met the requirements.	Satisfactory during this period
KA 41	Rehabilitation	Wetlands shall be managed in accordance with the Wetland Management Protocol (Section 5).	FRC-501-0701-01 Stage 5B Fortescue Crossing ELL Rev D	The Auditors reviewed the Loop 0 - FRC ELL and noted that no wetlands occurred along the pipeline easement.	Not required at this stage
KA 42		No campsites or lay down areas shall be located within the boundaries of the Allanooka–Dongara, Gnangara and Jandakot Water Reserves unless approved by the DoW.	FRC-501-0701-01 Stage 5B Fortescue Crossing ELL Rev D	The ELL does not identify these areas for Loop 0 - FRC.	Not required at this stage

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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 2010 to 13 December 2011. Two potential non-compliances with Statement No. 735 were identified by the auditors.

An audit of key management actions contained within the Environmental Management Plans was also conducted, with one non-conformance with a Key Action of the Fauna Management Plan identified.

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

Date:

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 2009, *DBNGP Stage 5 Looping Expansion Project - CS00-501-0550-01 2008 Annual Environmental Compliance Report (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.
- DBP 2011, The Stage 5B Expansion Project, [online], <http://www.dbp.net.au/the-pipeline/expansion.aspx>, [accessed 15 April 2011].
- 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.
- 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 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 2012, *Dampier Bunbury Natural Gas Pipeline Stage 5B Expansion - Stage 5B Loop 0 Fortescue River Crossing Compliance Audit*, report prepared for DBNGP (WA) Nominees Pty Ltd by Strategen, Leederville, Western Australia.
- WestNet Energy 2008, *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 and WestNet Energy by Strategen, Leederville, Western Australia.