



2005 Annual Report

SOUTH EAST PIPELINE SYSTEM

Pipeline Licences (PL 3 & 4)

Document Number

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LIST OF ABBREVIATIONS

ALARP	As Low As Reasonably Practicable
AS2885	Australian Standard 2885 Pipelines - Gas and Liquid Petroleum
AVT	Accuracy Verification Test
CDP	Corrosion Detection Pig
CFS	Country Fire Service
CP	Cathodic Protection
CPU	Cathodic Protection Unit
Cu/CuSO ₄	Copper/Copper Sulphate
DCGV	Direct Current Voltage Gradient
EGP	Electronic Geometry Pig
EMS	Environmental Management System
ERE	Emergency Response Exercise
ESD	Emergency Shut Down
GIS	Graphical Information system
GPS	Geographical Positioning System
HAZOP	Hazard Operability
HELM	Heritage, Environment and Land Management
HSE	Health, Safety and Environment
LMS	Land Management System
MAPS	Moomba to Adelaide Pipeline System
MFS	Metropolitan Fire Service
MLV	Mainline Valve
PIRSA	Primary Industries and Resources of South Australia
PL3&4	Pipeline Licences 3 and 4
ROW	Right of Way
RTU	Remote Terminal Unit
SCADA	Supervisory Control and Data Acquisition
SEO	Statement of Environmental Objectives
SEP	South East Pipeline
SWQ	South West Queensland Pipeline
SES	State Emergency Service
SMS	Safety Management System
SWER	Single Wire Earth Return
TJ	Tera Joule

1 PURPOSE

This report is submitted in accordance with the requirements of Pipeline Licence 3, Pipeline Licence 4 and the SA Petroleum Regulations 2000.

2 SCOPE

The South East Pipeline system is owned, operated and maintained by Epic Energy.

This report reviews operations carried out during 2005 and intended operations for 2006.

In accordance with the Petroleum Regulations a performance assessment is also provided with regard to the Statement of Environmental Objectives PL 3 &4.

3 TECHNICAL INFORMATION

Table 1 summarizes the technical aspects of the South East Pipeline system and Figure 1 shows diagrammatically the pipeline system.

Table 1 – South East Pipeline System

	Katnook to Kimberly Clark	Glencoe to Mount Gambier	Nangwarry	Safries
Pipeline Licence	PL4	PL4	PL4	PL3
Date Constructed	1990 – 1991	1990-1991	2001	1990
Date Commissioned	March 1991	April 1991	August 2001	January 1991
Length	46.1 Kilometres	18.9 Kilometres	11.5 Kilometres	4.5 Kilometres
External Diameter	168.3 mm	168.3 mm	88.9 mm	60.3mm
Wall Thickness, mm:				
- Normal	4.2 mm	4.2 mm	3.2 mm	3.9 mm
- Special Crossings	5.0 mm	5.0 mm	4.0 mm	3.9mm
Pipe Grade	API 5LX 42	API 5LX 42	API 5LX 56	ASTM A106 Gr B
MAOP	10,000 kPa	10,000 kPa	9850 kPa	10,000 kPa
Coating	Yellow Jacket	Yellow Jacket	Yellow Jacket	Yellow Jacket
Cathodic Protection	Sacrificial Anode	Sacrificial Anode	Sacrificial Anode	Sacrificial Anode
Main Line Valves	3	2	U/S & D/S isolation valves	U/S & D/S isolation valves
Actuators	Manual	Manual	Manual	Manual
Compressor Stations	Nil	Nil	Nil	Nil
Meter Stations	Kimberley Clarke	Mount Gambier	Nangwarry	Safries

Figure 1 – SEP Route Map



4 OPERATIONAL & MAINTENANCE ACTIVITIES - 2005

4.1 Risk Management Review

No formal AS2885 risk assessments were carried out on the South East Pipeline system during 2005 no new risks were identified.

A further risk assessment will be carried out in 2007.

4.2 Training

The Epic Energy management team is committed to developing the skills of their employees to meet the operational needs of its business. During 2005 staff training was conducted both in-house and externally and covered a range of items including:

- “POMS” awareness training
- Ongoing “On the Job” training of permanent contractors in the South East Region
- CP monitoring training and advanced courses completed. (conducted by the Australian Corrosion Association)
- Senior First Aid training (conducted by St John Ambulance Australia)
- Defensive driving (Collision avoidance and 4WD training)
- Pipeline excavation training
- Permit to Work training
- Emergency Response Site controller training
- AS2885 Awareness training
- CP monitoring training (conducted by the Australian Corrosion Association)
- CP advanced training (conducted by the Australian Corrosion Association)
- Manual Handling training
- Atmospheric Testing training
- Confined Space entry
- Work Zone traffic management
- First Five minutes Fire training
- Pipeline locator use
- Pipeline Surveillance and easement activities training
- Introduction to Pigging training
- Security Awareness training
- Heat stress training
- Hazardous Electrical equipment selection and maintenance training

4.3 Operations & Maintenance Activities

Operations and maintenance activities have been conducted at programmed frequencies throughout the year;. During the course of 2005, the following activities were conducted:

- Road Patrols have been conducted on a monthly basis; all action items identified during the patrols were rectified immediately by the patrolling officer or completed during regular maintenance visits by Epic Energy personnel.
- Monthly Meter, Off-take & Scraper site inspections were carried out by Epic Energy authorized contractors with no major issues identified.
- Inspection and servicing of all fire extinguishers took place with no major issues identified.
- Six monthly maintenance was carried out on all MLV's and Pig Vessels during the year.

- An external contractor conducted pressure vessel inspections on all vessels on the SEP system.
- A pipeline system "Inline Inspection" pigging program was conducted and details are provided further in this report.
- Six monthly maintenance was carried out on all meter stations and associated equipment.
- Three monthly Accuracy Verification Testing was conducted at all meter stations.
- Administration of the Freecall 1100 "Dial Before You Dig" system was undertaken during the year with 20 of calls received relating directly to the SEP system.

4.3.1 Patrol Activities

Scheduled ground patrols of the pipeline easement and above ground facilities were conducted by Epic Energy authorized contractors throughout the year.

The ground patrols ensure that the following pipeline activities are addressed:

- signage is in suitable condition and if not, repairs are affected as soon as is practically possible. Any issues not addressed during the patrol are fed back into the CMMS.
- there are no unauthorized activities occurring along the pipeline route or at any of the facilities
- restoration of any soil erosion due to wind and water is addressed
- there are no leaks occurring at any of the pipeline facilities or along the pipeline route
- all sites are secure, kept clean, neat and tidy
- Items including above ground pipe coating condition, fences, gates, padlocks, signage, fire extinguishers, weeding and other housekeeping activities are addressed at all of the facilities associated with the pipeline system.

During 2005 a report was given by PIRSA that a gas test near the pipeline had revealed a small amount of gas present above the ground. The area in question was patrolled both by road and on foot and constant gas monitoring by Epic Energy personnel could not find any evidence of a gas leak. GIS data from PIRSA showed that the 2 locations where the gas tests were conducted were some distance from the pipeline.

In 2005 no significant issues were identified during any of the patrol or other routine maintenance activities.

4.3.2 Cathodic Protection

During March and September 2005 full line CP surveys were undertaken on the SEP system.

The Glenco to Mt Gambier pipeline is protected by six sacrificial magnesium anodes. The "On" potential readings and current density measured during this survey are consistent with a well coated and protected pipeline with few coating defects. The survey results show that there are no sections of the pipeline which are under protected.

The Katnook to Apcel pipeline is protected by ten sacrificial magnesium anodes. The "On" potential readings and current density measured during this survey are consistent with a well coated and protected pipeline. The survey results indicate that there are no sections of the pipeline which are under protected.

The Nangwarry pipeline is protected by 4 Zinc anodes. The "On" potential readings and current

density measured during this survey are consistent with a well coated and protected pipeline. The survey results indicate that there are no sections of the pipeline which are under protected.

The Safries Lateral pipeline is protected by five sacrificial magnesium anodes. The "On" potential survey results indicate that there are no sections of the pipeline which are under protected.

A number of minor action items arose from these surveys and are being completed as part of the routine maintenance program.

The "On" potentials from the surveys conducted indicated that the pipeline system is polarised to the AS2832.1-1998 requirement and in accordance with AS2885.3.

In conclusion the sacrificial cathodic protection system employed on the SEP is performing as per design expectations meeting the criteria specified in AS 2885.3.

4.3.3 Intelligent Pigging

A pigging program was conducted during 2005 on the Glenco to Mt Gambier and the Katnook to Apcel laterals.

The pigging process involved the running of five individual types of pigs starting with a gauging plate to ensure the larger pigging tools that are to follow will be able to successfully pass through the pipe work. Two types of cleaning pigs (brush and a magnet) were run multiple times to ensure the pipeline was clean, followed by an EGP which gathers electronic data relating to the geometry of the pipeline before a final pass with the CDP which is the tool that detects any corrosion in the wall be it internal or external.

All data received from the pigging run was of good quality. A preliminary review of the pigging data did not show any defects with an ERF of 1 or greater. An assessment of whether any verification digs are to be undertaken is currently being considered and if required will be completed in 2006.

4.3.4 Electrical and Instrumentation

Accuracy Verification Testing was completed on a three monthly basis at all meter stations on the South East Pipeline System. Customer representatives attended AVT's at several locations throughout the year. There were no significant issues associated with the AVT's.

Electrical compliance testing was carried out on all portable electrical equipment and residual current devices (RCD's) at all sites.

Installation of a differential pressure transmitter on the dust filter at APCEL took place during 2005. This was an action item from the incident investigation into the spontaneous combustion of filters during the pigging in 2004.

Routine six monthly maintenance was carried out at all meter stations in May and November. This involved calibration of all non-billing transmitters, testing all remotely operated valves, calibration of all switches and testing of all associated systems.

The communications system at the Nangwarry meter station was interrupted on two occasions during the year. The first outage was caused by a Telstra fault which had the communications down for a period of time. The second fault was caused by a lightning strike which damaged a modem. During all communications outages Epic Personnel and local contractors visited the site on a regular basis during each day of the outages to ensure that all systems were functioning normally.

All other communications systems functioned without failure during 2005.

No major electrical failures were reported during 2005.

4.3.5 Mechanical

All routine mechanical maintenance activities were completed as scheduled on the South East Pipeline system. This work involved MLV servicing, station dust filter inspection/replacement, door closure maintenance, coalescing filter inspection/maintenance and pig launcher/receiver maintenance.

Routine inspection and maintenance was carried out on the pressure regulation/pressure relief systems at all South East Meter Stations on a 6 monthly basis. Maintenance tasks for the pressure control systems consisted of the inspection/overhaul of regulator seats, pilots and instrumentation filters to ensure correct operation of set points of the active/monitor and bypass regulation systems.

Pressure Safety Valves were also checked to confirm correct set point, operation and alarming functions. Where applicable, overpressure isolation valve functions are tested to ensure satisfactory operation. All routine 6 monthly maintenance is documented via Epic Energy's computerized asset management system (Maximo) and file copies are located within the central filing system.

All buildings and structures are inspected and maintained as part of routine maintenance procedures are in sound condition.

No major mechanical failures were reported for the South East Pipeline during 2005.

5 INCIDENT REPORTING

There have been no reportable incidents during 2005 for the SEP system.

6 LAND MANAGEMENT

6.1 Land Owner Liaisons

There are 72 separate landholders along the SEP route. All landowners on the SEP were contacted by phone during the year and a questionnaire was completed during each call. The questions were centered on people's awareness of the pipeline location and their responsibilities with respect to works in the pipeline vicinity.

All Landowners on the SEP were visited personally by an Epic representative during 2005.

During the property owner visits the Epic representative completes a questionnaire designed to ascertain the landowner's awareness of the pipeline system. In addition to the questionnaire a safety awareness information pack is provided which explains the requirements an individual must follow when working in the vicinity of an underground pipeline system.

As part of Epic Energy's awareness program all landowners were issued with a 2006 Epic Energy calendar reminding the landowner of pipeline safety.

A new revised pipeline safety brochure was also developed and provided to the landowner.

6.2 Pipeline Safety Awareness

Epic Energy implements a Community Awareness Program, which entails holding awareness meetings with communities along the pipeline route. The target is to hold meetings annually with

CFS, MFS, Police, Ambulance, SES, Councils, civil works contractors, earth moving contractors, agricultural services companies quarry operators, rail authorities, irrigation and fencing installation contractors, forestry companies, developers and other interested parties along the SEP system.

The presentations focus on the general properties of natural gas, the process of gas transmission by pipeline, location of Epic Energy's high pressure gas pipelines in the regions concerned, correct procedures when working within gas pipeline easements, pipeline threats and dealing with emergency situations. Attendees receive a pack of information including a "Pipeline Safety and You" video.

Epic Energy conducted a number of these sessions during 2005 in the South East on the SEP system.

6.3 Pipeline Location and Referral Services

During the course of 2005 19 enquiries were received via the Freecall 1100 "Dial Before You Dig" asset referral service, resulting in 3 in-field responses in relation to third party activities along the pipeline easement.

There were no third party encroachments on the pipeline easement in 2005.

7 ENVIRONMENTAL MANAGEMENT

During 2005 Epic Energy complied with all its environmental requirements as detailed in the Statement of Environmental Objectives.

Appendix A contains the "Assessment of Declared Objectives" completed for the SEP system.

8 EMERGENCY RESPONSE

Pipeline Licence 3&4 state that an ERE is to be conducted on the SEP system every two years. The last Emergency exercise on the SEP system occurred in 2004. ("Exercise Blue Lake")

While no specific ERE was carried out on PL3&4 during 2005 Epic Energy conducted 3 emergency response exercises on a number of other pipelines (MAPS, Beverley Lateral and SWQP) which tested the response capabilities of Epic Energy personnel. No major issues arose from these exercises.

9 REGULATORY COMPLIANCE

Every endeavor is made to ensure that design, manufacture, construction, operation, maintenance and testing of all appropriate facilities, is carried out in accordance with AS2885.

There are no known outstanding non compliances for the SEP system that Epic Energy is aware of against:

- The Petroleum Act & Regulations 2000
- The Pipeline Licence (PL3&4)
- The Statement of Environmental Objectives

Any non-compliance identified is logged in the CMMS where it is tracked to conclusion. Significant items are reported through to PIRSA immediately. All other issues are raised at the quarterly meetings between Epic Energy and PIRSA.

10 RISK MANAGEMENT

Epic Energy continually reviews operational risks with assessments including inputs from experienced gas industry personnel and emergency services representatives providing an insight into potential new risks and assisting in the development of appropriate management strategies.

Epic Energy utilizes the following risk management strategies to minimize risks to ALARP.

- Aerial & ground monitoring of the pipeline easement activities
- Permit to Work system
- Routine maintenance activities to ensure all of the pipeline facilities are maintained in accordance with best industry practices and the relevant codes and standards that apply
- Pipeline & Safety awareness program
- Land ownership and use notification system
- Landholder and stakeholder contact program
- Participation in state forums for external risk management
- Free “1100” Dial before You Dig information system

11 MANAGEMENT SYSTEM AUDITS

11.1 Environmental Audits

Whilst no external environmental audit was carried out during the year, internal processes including ground patrols and landowner contact provided a complete coverage of the environmental status of the South East Pipeline system. During 2005 no environmental non conformances were noted.

An audit against the “Assessment of Declared Objectives” in the SEO was completed as provided in Appendix A.

11.2 Health and Safety Audits

During 2005 Epic Energy conducted health and safety audits of its pipeline facilities. There were no issues identified relating specifically to the SEP system requiring follow up action.

11.3 Management Audit

A compliance audit into the Land Management Consultation system was conducted in 2005. The audit focused on ensuring that all relevant stakeholders and landowners were contacted and aware about pipeline safety and the requirements when working on or near the pipeline easement. No major issues were found with the SEP system requiring further action.

12 REPORTS ISSUED DURING THE 2005 LICENCE YEAR

The following reports were issued and forwarded to PIRSA-Petroleum Group, during the 2005 licence year:

- PL 3 & 4 Annual Report for 2004 (forwarded Jan 2004)

13 VOLUME OF PRODUCT TRANSPORTED

2499 TJ of natural gas was transported through the SEP system during 2005.

14 PROPOSED OPERATIONAL ACTIVITIES FOR 2006 LICENCE YEAR

During 2006 the following activities are proposed for the SEP system:

- Complete all scheduled routine maintenance activities and corrective maintenance identified
- Submit a 2006 Annual Report early in 2007
- Conduct an ERE Exercise
- Assess the requirement to perform any verification digs as a result of the intelligent pigging inspection operation completed in 2005.

15 STATEMENT OF EXPENDITURE

Commercial in confidence.

16 KEY PERFORMANCE INDICATORS

The following key performance indicators have previously been established to monitor performance of operations and maintenance activities on the SEP system. Outlined below are the KPI results for 2005.

	2005 Target	2005 Actual	2005 Comment
Cathodic Protection			
Percentage of the pipeline protected to the AS2885-1997 level	100%	100%	This represents a satisfactory level of protection over the entire length of the pipeline.
Third Party Incident			
Number of times pipeline is damaged	0	0	No damaged occurred to the pipeline during the reporting period
Number of near misses (digging within 1m of pipeline)	0	0	No activities of this nature that involved Epic Energy the owner or a third party were identified during the reporting period
Exposure of pipeline due to washout and wind erosion	0	0	During the reporting period, there were no instances of the pipeline cover being eroded due to wind or water
SCADA and Leak Detection			
Reliability of SCADA and Leak Detection System	100%	99.3%	During the reporting period a number of communications outages were caused as a result of inclement weather or equipment failures and these were rectified in a timely manner.
Environmental			
Number of uncontrolled hydrocarbon releases	0	0	No uncontrolled Hydrocarbon releases were recorded during the reporting period
Earth Tremor Surveillance			
Vehicular surveillance immediately after an earth tremor or flood	100%	100%	No floods or earth tremors were reported during 2005

17 CONCLUSION

The maintenance and inspection programs carried out on the SEP system in 2005 indicated the pipeline is in sound condition and is capable of operating at set parameters with no restrictions.

The CP Survey results supplied in Appendix B indicate the protection level meets the targeted performance levels for this system.

A further review of the intelligent pigging information will be conducted in 2006 and any remedial action necessary taken.

The pipeline is considered to be in good working condition and well maintained.

Appendix A – Assessment of Compliance with SEO Objectives

OBJECTIVE	GOAL	OBJECTIVE ACHIEVED	OBJECTIVE ACHIEVED “YES/NO”	SUPPORTING COMMENTS
1. To avoid unnecessary disturbance to 3 rd party infrastructure, landholders or land use	1.1 To minimise disturbance or damage to infrastructure/land use and remediate where disturbance cannot be avoided	Where disturbance is unavoidable or accidental, infrastructure or land use is restored to the satisfaction of the landholder or to undisturbed condition. Duration of disturbance does not exceed agreed timeframe.	Yes	There were no disturbance or damage to 3 rd party infrastructure, landowners or land use as a result of pipeline operations.
	1.2 To minimise disturbance to landholders	No unresolved landholder complaints. Landholder activities not restricted or disturbed as a result of pipeline activities unless by prior arrangement.	Yes	Refer to 1.1
2. To maintain soil stability/ integrity	2.1 To remediate erosion as a result of pipeline operations in a timely manner	The extent of soil erosion on the easement was consistent with surrounding land.	Yes	The pipeline is routinely patrolled with no erosion or soil inversions detected as part of this activity. If any excavation activities on the pipeline system are required they shall be carried out in accordance with Epic Energy policies and procedures. WM-02-134 which addresses this objective
	2.2 To prevent soil inversion	Vegetation cover is consistent with surrounding land. No evidence of subsoil on surface (colour). Landholder signoff.	Yes	

OBJECTIVE	GOAL	OBJECTIVE ACHIEVED	OBJECTIVE ACHIEVED "YES/NO"	SUPPORTING COMMENTS
3. To maintain native vegetation cover on the easement	3.1 To maintain regrowth of native vegetation on the easement to be consistent with surrounding area	Species abundance and distribution on the easement was consistent with the surrounding area. Note: assessment of the consistency with surrounding areas will take into account that regrowth is a time and rainfall dependent process.	Yes	The native vegetation within the pipeline easement is consistent with surrounding environment as per an environmental audit conducted.
	3.2 To minimise additional clearing of native vegetation as part of operational activities	Vegetation clearing within the easement or on land adjacent to the easement is limited to previously disturbed areas or areas assessed to be of low sensitivity, unless prior regulatory approval obtained.	Yes	No Excavation activities were undertaken on the SEP system during 2005.
	3.3 To ensure maintenance activities are planned and conducted in a manner that minimises impacts on native fauna	Vegetation clearing within the easement or on land adjacent to the easement is limited to previously disturbed areas or areas assessed to be of low sensitivity, unless prior regulatory approval obtained.	Yes	Refer to 3.2
4. To prevent the spread of weeds and pathogens	4.1 To ensure that weeds and pathogens are controlled at a level that is at least consistent with adjacent land	The presence of weeds and pathogens on the easement was consistent with or better than adjacent land. No new outbreak or spread of weeds reported.	Yes	The presence of weeds and pathogens on the easement is consistent with adjacent land as per an environmental audit conducted.

OBJECTIVE	GOAL	OBJECTIVE ACHIEVED	OBJECTIVE ACHIEVED "YES/NO"	SUPPORTING COMMENTS
5. To minimise the impact of the pipeline operations on surface water resources	5.1 To maintain current surface drainage patterns	For excavations, surface drainage profiles restored. For existing easement, drainage is maintained to pre-existing conditions or better.	Yes	There were no alterations to existing landscapes or drainage patterns during 2005.
6. To avoid land or water contamination	6.1 To prevent spills occurring, and if they occur minimise their impact	No evidence of any spills or leaks to areas not designated to contain spills. In the event of a spill, the spill was: <ul style="list-style-type: none"> • Reported • Contained • Cleaned-up, and • Cause investigated and corrective and/or preventative action implemented. Compliance with relevant sections of the Environment Protection Act.	Yes	No spills occurred in 2005.
	6.2 To ensure that rubbish and waste material is disposed of in an appropriate manner.	No evidence of rubbish or litter on easement or at facilities. No evidence that waste material is not contained and disposed of in accordance with Epic approved procedures.	Yes	All rubbish generated as a consequence of operational and maintenance activities is collected, removed from site and disposed of at an approved waste disposal facility.

OBJECTIVE	GOAL	OBJECTIVE ACHIEVED	OBJECTIVE ACHIEVED "YES/NO"	SUPPORTING COMMENTS
	6.3 To prevent impacts as a result of waste water disposal	No evidence of impacts to soil, water and vegetation as a result of water disposal (ie. soil erosion, dead vegetation, water discoloration).	Yes	No maintenance activities were conducted that required the disposal of waste water and in addition no facilities have any systems installed that generate waste water.
7. To minimise the risk to public health and safety	7.1 To adequately protect public safety during normal operations	No injuries or incidents involving the public. Demonstrated compliance with AS 2885. Emergency procedures implemented and personnel trained.	Yes	All pipeline signage is considered to be fit for purpose and is maintained at a standard to meet AS2885 requirements All landowners on the pipeline were visited by an Epic Energy representative during 2005.
	7.2 To adequately protect public safety during maintenance	No injuries or incidents involving the public. Emergency procedures implemented and personnel trained.	Yes	Epic Energy and its contractors operate under a Safety system that includes working with detailed instructions, permit to work and job hazard analysis which all contribute to achieving this objective.
	7.3 To avoid fires associated with pipeline maintenance activities	No pipeline related fires. Emergency procedures implemented and personnel trained.	YES	There were no fires on the SEP system during 2005 All field staff have received " First 5 Minute " fire training.

OBJECTIVE	GOAL	OBJECTIVE ACHIEVED	OBJECTIVE ACHIEVED "YES/NO"	SUPPORTING COMMENTS
	7.4 To prevent unauthorised activity on the easement that may adversely impact on the pipeline integrity	No unauthorised activity on the easement that has the potential to impact on the pipeline integrity.	Yes	There were no easement encroachments identified or reported during 2005.
8. Minimise impact of emergency situations	8.1 To minimise the impact as a result of an emergency situation or incident	Emergency response procedures are effectively implemented in the event of an emergency. Emergency response exercises are aligned with credible threats and consequences identified in the risk assessment.	Yes	No emergency response incidents reported during 2005.
	8.2 To restore any damage that may occur as a result of an emergency situation	Refer to previous criteria (Objective 1, 2, 3 & 6).	Yes	No emergency response incidents reported during 2005.
9. To minimise noise due to operations	9.1 To ensure operations comply with noise standards	Operational activities comply with noise regulations, under the Environment Protection Act 1993. No complaints received.	Yes	No complaints received during 2005.
10. To minimise atmospheric emissions	10.1 To eliminate uncontrolled atmospheric emissions	No uncontrolled atmospheric emission.	Yes	No uncontrolled atmospheric emissions occurred or were reported in 2005.

OBJECTIVE	GOAL	OBJECTIVE ACHIEVED	OBJECTIVE ACHIEVED "YES/NO"	SUPPORTING COMMENTS
	10.2 To minimise the generation of dust.	No complaints received. No dust related injuries recorded.	Yes	No operation and maintenance activities were conducted that contributed to the generation of any dust over and above that which is normally expected in the areas where the pipeline is installed.
11. To adequately protect cultural heritage sites and values during operations and maintenance	11.1 To ensure that identified cultural sites are not disturbed	No impact to known sites. Any new sites identified are recorded in Land Management System and reported to appropriate authority.	Yes	No operation and maintenance activities occurred that would have had the potential to impact on any cultural heritage sites or the values of native peoples.