



2012 Annual Report

SOUTH EAST PIPELINE SYSTEM

Pipeline Licence 3 & 4

Document Number S-31-107-AR-G-009

TABLE OF CONTENTS

1	PURPOSE	4
2	SCOPE	4
3	TECHNICAL INFORMATION	4
4	OPERATIONAL & MAINTENANCE ACTIVITIES - 2012.....	6
5	INCIDENT REPORTING	13
6	LAND MANAGEMENT	13
7	ENVIRONMENTAL MANAGEMENT	14
8	EMERGENCY RESPONSE	15
9	REGULATORY COMPLIANCE	16
10	HAZARD IDENTIFICATION AND RISK ASSESSMENT	16
11	MANAGEMENT SYSTEM AUDITS	18
12	REPORTS ISSUED DURING THE 2012 LICENCE YEAR	19
13	VOLUME OF PRODUCT TRANSPORTED.....	19
14	PROPOSED OPERATIONAL ACTIVITIES FOR 2013 LICENCE YEAR	19
15	STATEMENT OF EXPENDITURE.....	19
16	KEY PERFORMANCE INDICATORS	20
17	CONCLUSION	20
	Appendix A – Assessment of Declared Objectives	21
	Assessment of Declared Objectives	23

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
GTA	Gas Transportation Agreement
GIS	Graphical Information system
GPS	Geographical Positioning System
HAZOP	Hazard Operability
HELM	Heritage, Environment and Land Management
HSE	Health, Safety and Environment
HV	High Voltage
ILI	Inline Inspection
LMS	Land Management System
MAOP	Maximum Allowable Operating Pressure
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
RCD	Residual Current Device
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 South Australian Petroleum and Geothermal Energy Regulations 2000.

2 SCOPE

The South East Pipeline system (PL3&4) is owned, operated and maintained by Epic Energy.

This report reviews operations carried out during 2012 and describes the intended operations for 2013.

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

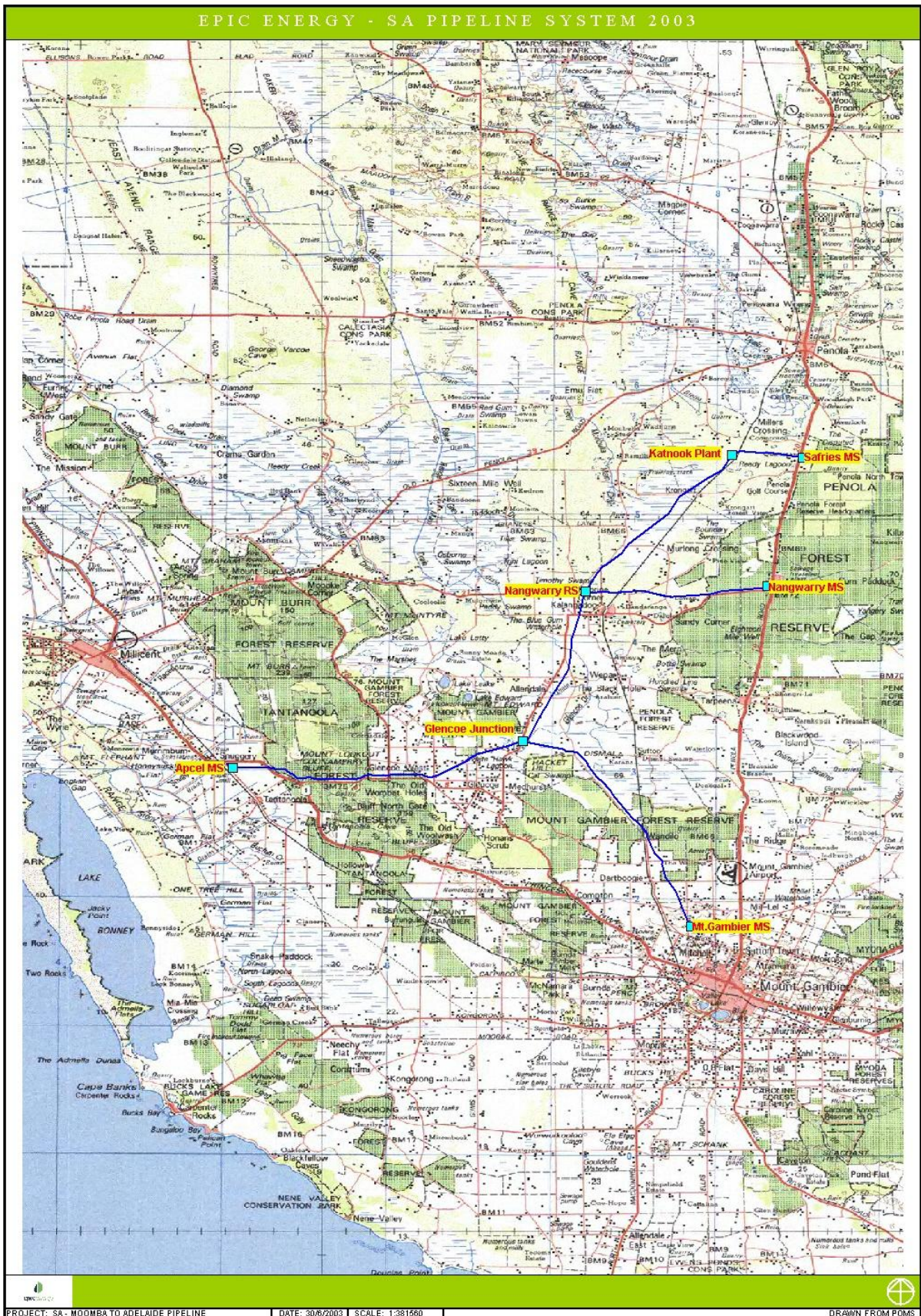
3 TECHNICAL INFORMATION

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	PL3	PL3	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	Kimberly Clarke	Mount Gambier	Nangwarry	Safries

Figure 1 – SEP Route Map



4 OPERATIONAL & MAINTENANCE ACTIVITIES - 2012

4.1 Risk Management Review

A five yearly SMS review for the South East Pipeline System was carried out in 2012 as per the requirements of AS2885 (refer to Epic document number S-32-108-RAE-G-002).

This workshop review did not identify any significant threats that had not been identified in previous workshops, nor did it identify any significant shortcomings in the controls required to be applied in accordance with AS 2885. Notwithstanding, the workshop identified and prioritised a number of actions that need to be completed to demonstrate ALARP. These actions generally relate to strengthening existing procedures to further mitigate horizontal directional drilling and rabbit ripping threats. High priority actions were raised for:

- Reviewing and strengthening the landowner, stakeholder and contractor liaison program particularly targeting the vertical boring for water bores and HDD activities
- Strengthening the pipeline safety awareness program with the bushfire fighting agencies about pipeline crossing points
- Assessing the induced voltage under fault current conditions due to the two HV powerlines parallel to Nangwarry Lateral and determining whether the existing earthing design is sufficient for personal safety

Epic Energy maintains this risk assessment action item register, and is working through the total of 20 action items raised in the workshop.

4.2 Training

Epic Energy is committed to developing the skills of all employees and contractors to meet the operational and technical needs of its business.

In- house staff training during 2012 was delivered using a combination of self paced modules and group presentations, using either a training service provider or suitably skilled Epic Energy personnel.

In addition to internal training, staff attended a range of external courses, conferences and seminars selected to further enhance their knowledge of the natural gas and liquid hydrocarbon pipeline transmission industry and associated topics.

The range of training staff attended during 2012 included;

A Grade Electrical Worker's Licence
 B Grade Electrical Worker's Licence
 2. Bridge and Gantry Crane
 4WD Operate Light Vehicle PMASUP236A
 Allen Bradley PLC5 - Maintenance and Trouble Shooting
 AS 2885.3 Pipelines Gas & Liquid Petroleum - O & M
 Asbestos Training
 AVT Testing
 Backhoe Front-end Loader >= 2L Engine LB
 Basic Fire Training
 Basic Hazop Training
 Blue Card Course in General Safety Induction (Construction Industry)
 Bobcat Licence

Business Writing Skills
Cathodic Protection Advanced
Certificate IV in Assessment & Workplace Training - BSZ40198
CGR Software Training
Chainsaw - Basic Operations & Maintenance
ChemAlert Public Training Course
Chemical Use and You
Class C Drivers Licence Validity
Clock Spring Sleeves Installation
Confined Space Awareness
Confined Spaces AS/NZS 2865
Control Valves - Instrumentation Modules
Corrosion Control Introduction (BL)
Corrosion Protection
CPR & LVR
Crane Operator Certificate of Competency CV HIAB
Crane Slewing Mobile Crane <=20T C2
Cranes - Truck Mounted
Creating a Safe Workplace
Crisis Manager Role
Cultural Heritage
Dangerous Goods Transport - Road
Dial Before You Dig - Epic Energy Processes
Diploma OH&S
Dogging Certificate DG
Drug and Alcohol policy
EEHA Installation and Maintenance
Elevated Work Platform WP
Emergency Equipment - Familiarisation
Emergency Pipeline Exercise - SA
Emergency Pipeline Exercise - South East
Emergency Pipeline Repairs
Emergency Response
Emergency Response - Site coordinator
Emergency Response Site Controller
Emergency Response Training
Environmental Induction - On line
Epic Field introduction and Familiarazation
Equal Employment Opportunity, Discrimination, Harassment & Bullying 2010
ESM Engine System Management
Excavation of Pipelines
External Visual Inspection - Pressure Vessels & Pipes
Fatigue & Stress Management
Fire Safety Certificate
Fisher Control Valve Operation & Maintenance
Fisher Farris PSV Safety Relief Valves Ops & Maintenance

Fisher ROC Operation/Maintenance
Forklift Operator Certificate of Competency LF
Front-end Loader Engine >2L LL
FTA Association
Gas Chromatograph Operation & Maintenance - Basic
Gas Chromatograph Operation & Maintenance - Intermediate
Gas Detection - Santos (Epic SA)
GIS & GBM
Greening Australia
Hazard And Incident Reporting
Hazard Area Installation & Maintenance
Hazard Identification and Control
Hazardous Materials (MSDS)
HAZOP Leader
Health & Safety Representative Level 1 - SA
Health & Safety Representative Training Course
Health and Safety Representative Level 2 - SA
Heat Stress - Santos (Epic SA)
Hot Tap & Stopple Plugging Equipment Training
Hot Tap & Stopple Training
Hot-Tapping of Pipelines, Practices and Procedures
How to Effectively Manage Multiple Locations
HR Class Licence - Heavy Rigid 8t-9t
Human Resources Induction
Hydrocarbon Properties & Principles
ICam - Incident investigation
Incident Commander
Industrial Type B Appliance training
Introduction To Gas Pipelines
Introduction to Pigging
Introduction to Public Relations
Isolation - SSOW
JHA - SSOW
Land Access Code - QLD
Land Access Code & Cultural Heritage
Lubrication
Maintenance Planning Course
Manual Handling
Maximo 7.1
Melbourne Office Induction
Mercury Awareness
Microsoft Project - Introduction
MR Class Licence - Medium Rigid
Natural Gas Filtration Introduction
NEBOSH International Technical Certificate in Oil & Gas Operational Safety
Nipping Problems in the bud and complaint handling

Odorant Station Operation
Operations Field Induction On Line
Outdoor Safety
Over Pressure/Relief Valve Systems
Permit to Work - SSOW
Personal Protective Equipment
Personnel Movement Tracking
Pipe Location - General Epic Module
Pipeline Compression Basics
Pipeline Integrity Risk Management
Pipeline Surveillance
Pipeline Voice Communications
PLC - Advanced
PLC Basics - Instrumentation Modules
Pole Top Rescue Training course and Ladder Use
Power Tool Safety
Powerpoint - Basic
Powerpoint - Intermediate
Preventing Discrimination & Harassment
Principles of Flow Measurement
Professional Presentations
Project Management
Reciprocating compressor Training
Rehabilitation & Return to Work Coordinator
Responsible Officer
Restricted Electrical Workers Licence (NREL)
Rigging - Intermediate RI
Rigging -Basic RB
SCADA and Control Systems Basics
Security Awareness
Senior First Aid + SA
Service Safety Inspection & Testing of Electrical Equipment
Snake awareness
Sunsmart - Working Safely in the Sun
Swagelok training
SWER Training
Test & Tag Training
The Atmosphere & Working With Gases
Third Party Works
Time Management
Trade Certificate
Ultrasonic Flow Measurement
Valve Training
Water Bath Heater Operation
Welding Inspection for Pipeline Systems
White Card - National OHS Common Industry Induction

Work in accordance with an issued permit
 Working at Heights - Awareness
 Working in Remote Locations
 Workzone Traffic Management
 X-Info & GBM(gps) Training
 Xinfo Connect - Land Management System

4.3 Operations & Maintenance Activities

Operations and maintenance activities have been conducted in accordance with AS2885 and other relevant standards and work is programmed into accordance with the 2012 Annual Maintenance Plan. All routine and corrective maintenance activities programmed in Epic Energy's CMMS which is a scheduling system which generates work orders for maintenance staff to complete. Some of the key items in the 2012 maintenance schedule include:

- Road Patrols 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.
- Inspection and maintenance of dust and coalescer filter vessels.
- Monthly Meter, Off-take & Scraper site inspections carried out by Epic Energy authorized contractors with no major issues identified.
- Inspection and servicing of all fire extinguishers
- Six monthly maintenance was carried out on all MLV's and Pig Vessels during the year.
- Six monthly Cathodic Protection on/off potential surveys.
- DCVG survey
- Six monthly mechanical and electrical/instrumentation maintenance carried out on all meter stations and associated equipment.
- Three monthly Accuracy Verification Testing at all meter stations.
- Administration of the free call 1100 "Dial Before You Dig" system with 24 calls received throughout the year relating directly to the SEP system.
- Landowner Contact and Community Pipeline Safety Awareness program

A description of the Operations and Maintenance activities completed in 2012 is provided below.

4.3.1 Patrol Activities

Monthly road patrols were completed in accordance with AS 2885.3 criteria to ensure the following issues are assessed:

- 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.
- That there are no third party activities being carried within the vicinity of the pipeline easement with potential to cause pipeline integrity issues.
- Soil erosion due to wind and water is assessed and where necessary restored to maintain the required depth of cover.
- There are no leaks occurring at the pipeline facilities or along the pipeline route.
- All sites are secure and kept in a good, clean and tidy state.
- Inspections of above ground pipe coating condition, fences, gates, padlocks, signage, fire extinguishers, weeding and housekeeping at the meter station.

Pipeline warning signage was inspected and replaced as required, there were no significant issues identified during road patrols in 2012.

4.3.2 Cathodic Protection

As per the revised Integrity Management Plan developed for south east pipelines in 2012 one cathodic protection full line surveys were undertaken in April 2012 on the SEP. ON potential surveys only are possible on this pipeline system because the pipelines are protected by sacrificial anodes.

4.3.2.1 Katnook Plant to Apcel

This lateral is protected by nine magnesium anodes; an additional six zinc AC mitigation anodes are installed where the pipeline is in close proximity to high voltage overhead power lines. The ON potential readings indicate that the pipeline is satisfactorily protected.

4.3.2.2 Katnook Plant to Safries

This lateral is protected by five magnesium anodes; the ON potential readings indicate that the pipeline is satisfactorily protected.

4.3.2.3 Glencoe Junction to Mount Gambier

This lateral is protected by five magnesium anodes; three zinc AC mitigation anodes have are also installed where the pipeline is in close proximity to high voltage overhead power lines. The ON potential readings indicate that the pipeline is satisfactorily protected.

4.3.2.4 Nangwarry Lateral

This lateral is protected by four zinc anodes; the ON potential readings indicate that the pipeline is satisfactorily protected

4.3.3 Coating Integrity

The most recent coating defect survey was conducted on the SEP in May 2008. The % IR at each coating defect measured during the survey represents the loss of protection sustained for any level of cathodic protection applied; defects 15 % IR or greater are repaired.

The following defects were noted during the survey:

- Safries Lateral – 1 defect 2.6 % IR
- Katnook to Safries Lateral– A total of 4 defects greater than 15 % IR (2 Defects at locations of Anchor blocks. One showing the AC mitigation earthing site. The remaining coating defect near Katnook plant has already been inspected.)
- Nangwarry Lateral – 1 defect 0.4 % IR
- Glencoe to Mount Gambier Lateral – 1 defect 11.0 % IR, 1 defect greater than 15 % IR has been inspected.

Overall, there are only 3 minor coating defects remaining on the pipeline system which are to be re assessed during the next coating defect survey due in 2013.

4.3.4 Pipeline Integrity

There have been previous concerns with the SEP related to occasional receipt of out-of-specification gas. For the gas from Ladbrooke Grove (SEA Gas), increases in CO₂ are related to the gas fields, while from Katnook increases in moisture are related to plant dehydration methodology. The concern relates to the potential combination of CO₂ and water to form corrosive carbonic acid. The potential was considered greatest where pressure cuts are made at SEP facilities, where the resulting temperature decrease due to the Joule-Thompson effect could cause free water drop out from the gas to mix with available CO₂.

As part of an ongoing plan to monitor any internal corrosion activity, Epic has completed the following actions

prior to 2012:

- Transportation agreement was amended in 2008 to reduce the allowable moisture level and thereby offset the potential for increased CO₂ levels in the new supply from Ladbroke Grove.
- An alarm system was set in place to warn Gas Control when the moisture content exceeded the agreed maximum limit and if necessary to initiate discussion with the gas supplier.
- In April 2009, two pipe spools were removed from Mt Gambier meter station and inspected for internal corrosion. No free water was observed, and internal pipe wall did not show evidence of internal corrosion.
- Free water hasn't been observed at pig receivers upon completion of routine cleaning pig runs.
- In June 2011, discussions were held with the gas suppliers to detail potential pipeline integrity impacts of occasional receipts of out-of-specification gas, and options to alleviate these excursions. Epic remains in communication with the suppliers to remind them of their obligations under the GTA, and continues to monitor SEP gas quality closely.
- Study into water dew points and theoretical corrosion rates at gas moisture and CO₂ contents for several pipeline operating cases (document reference S-36-100-TR-P-001) carried out in 2011 suggests that under current operating limits of pressure, CO₂ and moisture, it is unlikely that internal corrosion conditions are present in SEPS.

In 2012, an Inline Inspection was conducted on the Katnook – Kimberly Clark pipeline. Some of the findings and recommendations were:

- It was confirmed that some minor corrosion activity is present in the pipeline, potentially due to water hold-up. It was proposed to establish 3-monthly pigging (high-density foams, or preferably cup pigs) with monitoring of liquids presence and based on findings we could wind it back to 6 monthly. As per previous pigging runs, no free water was observed.
- Even though there seems to be some minor corrosion activity there doesn't seem to be a significant change in corrosion wall loss, with the worst potential change being from 13% to 15%, which translates to 0.63mm cumulative wall loss as at 2012. This represents an estimated corrosion rate of approximately 0.014mm/yr which is considered low.
- B31G calculation at MAOP=10Mpa and Op pressure of 5Mpa (as per trends in SCADA) for worst corrosion anomalies resulted in the anomalies being safe for continued operation.
- It was recommended that verification dig ups are deferred pending next ILI in 5 years time.
- Due to operational constraints, ILI on Mt. Gambier lateral, using a special 'low flow' tool was deferred to 2Q13.

4.3.5 Electrical and Instrumentation

Accuracy Verification Testing was completed on a three monthly basis at all active meter stations on the South East Pipeline System. There were no significant issues associated with the gas metering.

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

Scheduled six monthly maintenance was carried out at all active stations which involved calibration of all non-billing transmitters, testing all remotely operated valves, calibration of all switches and testing of all associated systems.

4.3.6 Mechanical

All routine mechanical maintenance activities were completed as scheduled on the South East Pipeline system. This work involved MLV servicing, station filter inspections and replacement and vessel servicing and maintenance.

Routine inspection and maintenance was carried out on the pressure regulation, pressure relief and ESD valves 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 checked to confirm correct set point, operation and alarming functions. Where applicable, overpressure isolation valve functions were 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.

A modified pig vessel was re-installed at the Mount Gambier Meter Station during 2012 to suit a new pig vessel isolation valve, which was fitted in 2011 to achieve 100% sealing and safe operation during pigging activities. The pipeline was then ready to perform pigging operations during 2012.

A new filter vessel was installed at the Katnook valve site. Work included installation of a new filter vessel with new bypass pipe work. Also added was a new PSV and DPI for the filter vessel.

All other reactive faults were classified as minor and tended to immediately without incident.

4.3.7 Leak Detection

The Epic Energy Transportation Services Control Centre [TSCC] operates a Telvent OASys DNA 7.4 SCADA system that continually monitors the South East Pipeline System. Incorporated into the SCADA is the Pipeline Leak Monitoring System (PLMS) that provides real time leak detection capability based on line-pack inventory, flows in and out of the system, gas quality and pressure and temperature rate changes. This allows the duty controller to instantly identify any action anomalies that may be occurring and take appropriate actions.

The PLMS is supported by maintenance activities along the pipeline route which assists the identification of any pipeline or facility leaks.

There were no instances of any leaking valves or equipment on the South East Pipeline during 2012.

4.3.8 Communications

Epic Energy operates and controls the South East Pipeline System from the Transportation Services Control Centre (TSCC) in Melbourne, Victoria, using the Epic Energy Metro SCADA System. The South East Pipeline System can also be monitored and controlled on a stand-alone system from Epic Energy's emergency control centre in Dry Creek, South Australia.

The Epic Energy SCADA system is a distributed, dual redundant, SCADA system, which utilizes Epic Energy and third party communications providers, to communicate to the remote field telemetry devices.

There no significant communication faults reported in 2012 within the SEPS.

5 INCIDENT REPORTING

There were no serious or reportable incidents on the South East Pipeline system during 2012.

6 LAND MANAGEMENT

6.1 Landowner Liaison

There are 83 landholders on a total of 116 separate land parcels on the South East Pipeline system. Every landowner on the pipeline was visited during 2012 and a questionnaire was completed as part of each visit. The questionnaire is centred on confirming contact details, current and proposed land use, awareness of the pipeline location and landowner responsibilities with respect to works in the pipeline vicinity.

As part of Epic Energy's continuous improvement program for pipeline awareness, landowners were posted one letter and one postcard during the year containing information on pipeline and easement safety and the responsibilities landowners have to ensure no safety breaches occur on their properties. An Epic Energy year 2013 calendar reminding the landowner of pipeline safety was also forwarded in December 2012.

6.2 Pipeline Safety Awareness

Epic Energy implements a Community Awareness Program, which entails holding awareness meetings with communities, Councils, government departments, utilities, emergency services and contractors along the pipeline route. Five of these presentations were held in the south east of South Australia which included Police, paid and volunteer fire crews, Forestry SA, SA Water, Mount Gambier Council and five contractors who work in close proximity to the South East Pipeline system.

The presentations focus on the general properties of the gas transported, location of the high pressure gas pipelines in the regions concerned, correct procedures when working within pipeline easements, pipeline threats and dealing with emergency situations. (Note:-This presentation is tailored specifically to the audience)

6.3 Pipeline Location and Referral Services

Epic Energy provides a free service to locate any pipeline that they own and operate. This service is primarily used by other companies and third parties carrying out civil works in the vicinity of the pipelines.

During 2012 Epic Energy received and attended nineteen (19) enquiries via the free call 1100 "Dial Before You Dig" asset referral service in relation to third party activity in the vicinity of the South East Pipeline System.

There were no third party encroachments or unauthorized activity identified along the pipeline easement in 2012.

7 ENVIRONMENTAL MANAGEMENT

Control documentation and training

Environmental procedures and work instructions continue to be reviewed and updated as necessary. In early 2012, the online environmental training module was completed and implemented. This induction provides an overview of environmental risks, control measures and responsibilities. All Epic Energy employees and contractors entering the field are required to complete the training.

Appendix A contains the "Assessment of Declared Objectives" completed for the South East Pipeline system.

Soil erosion and subsidence management:

No erosion or subsidence was identified on the South East Pipeline in 2012.

Risk

A review of the environmental risk register was conducted in January 2012. A systematic approach was taken to reviewing existing environmental risks and updating the risk register. The risk assessment included the following steps:

- Reviewing and updating the aspects, impacts, ratings and control measures in the existing environmental risk register;
- Determining progress made against recommendations in the environmental risk register; and
- Documenting new activities and associated aspects, impacts, ratings, control measures and residual risk as required.

Appendix A contains the "Assessment of Declared Objectives" completed for the South East Pipeline system.

8 EMERGENCY RESPONSE

Pipeline Licence 3&4 states that an Emergency Exercise is to be conducted on the South East Pipeline System once every two years and in addition to this exercise a set of Emergency Response procedures is to be developed and maintained. These procedures are detailed in Epic Energy's "Emergency Response Manual".

Exercise "Supply Restriction to Mount Gambier" was carried out on the 16th May 2012 in accordance with "The Regulations Under the Petroleum & Geothermal Energy Act 2000", and the requirements of Pipeline License No 3&4. An emergency drill is required once every two years to test emergency procedures and a report is to be submitted to the regulator (DMITRE.) within 60 days of the drill. A report was prepared by Epic Energy and submitted to DMITRE on 30 May 2012.

The scenario was conducted as a Desktop Exercise and contained to Epic Energy employees for participation.

Specific objectives included:

1. Nominate an Incident Commander from the Melbourne Control Room (TSCC) to manage and control the emergency and to interface with the Epic Energy Commercial and Legal teams to develop simulated operational curtailment notices.
2. Nominate the Operations Support Manager (new employee) as Emergency Support Team Coordinator to assign the Emergency Support Team, coordinate the emergency and maintain communications with the Incident Commander.
3. Engineering Team to investigate the issue and provide a technical solution in the shortest possible time to return to normal flows.
4. Maintenance Team Leader to mobilise resources to site to investigate the issue and establish a communication with the Emergency support Coordinator.
5. Maintenance Planner to allocate internal and contract resources.
6. Supply and logistic to confirm availability replacement equipment, tooling, carnage, flights and accommodation.
7. Test the interaction between Epic's Emergency Response team and Crisis Management Teams to ensure processes complement each other.

The emergency exercise "Supply Restrictions to Mount Gambier" was deemed a successful emergency drill with all the objectives set out in section 2 of this report achieved. The Epic Energy Emergency response Plan (E-00-000-ERM-G-001) was used throughout this exercise and considered an adequate document with clear descriptions of roles, responsibilities and checklists for each position.

Personnel participating in the exercise were assessed and deemed competent to perform the roles and tasks allocated to each person in this emergency exercise drill.

The scenario for this exercise was chosen as a possible event for the Mount Gambier meter station, however the Epic Energy Integrity Management Program for the Mount Gambier meter station includes regular inspection and maintenance on the station pipework and equipment to prevents this type of incident occurring.

9 REGULATORY COMPLIANCE

Epic Energy ensures that design, manufacture, construction, operation, maintenance and testing of all appropriate facilities is carried out in accordance with the relevant Acts of Parliament, licence conditions and the requirements of AS2885.

Epic Energy attends quarterly compliance meetings with DMITRE, where operational regulatory compliance is discussed in an open manner.

Changes in legislation are tracked and communicated through a legal compliance committee which meets on a monthly basis.

Epic Energy maintains a compliance database, Safety Wise, which tracks legislative compliance throughout the organisation. Obligations are assigned to responsible staff, who must supply evidence that the obligation has been satisfied within a specified time period.

Epic Energy is not aware of any regulatory non compliance for this pipeline, and believes it is fulfilling its obligations in relation to the following requirements:

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

Epic Energy maintains an action tracking system for improvements to its systems, which is fully traceable through to close out of individual items.

Significant items are reported through to DMITRE, and would be raised at the quarterly compliance meetings held between DMITRE and Epic Energy.

There have not been any significant regulatory compliance issues during this reporting period.

10 HAZARD IDENTIFICATION AND RISK ASSESSMENT

Overview of Risk Management

Epic Energy South Australia (EESA) is currently establishing Safety Procedures specific to its operations, subsequent to the acquisition of the larger Epic Energy brand late in 2012.

The EESA manages risk through a combination of a Risk Management Framework and a Safety Management System (SMS) which operate on the philosophy that risk is minimised through:

- a) Ensuring personnel carrying out EESA operations are trained and competent;
- b) Ensuring EESA operations are conducted in accordance with procedures that are safe and have been approved by competent personnel; and
- c) Proactively identifying and resolving hazards in EESA operations.

Epic Energy has implemented a framework to identify and control hazards that could result in Risk to EESA objectives and the safety of personnel.

The Risk Management Manual (RMM) describes the Risk Management framework within Epic Energy and outlines the methodology of how risk is managed within Epic Energy. Additionally, it ensures that EESA meets its responsibilities under the standards and applicable laws governed by the following:

- a) Epic Energy's pipeline license obligations, which require meeting the obligations of State based pipeline specific legislation;
- b) Relevant Australian Standards, particularly the AS2885 suite (for Pipeline Operations) and AS/NZS ISO 31000 (the International Standard for Risk Management); and

Safety Specific Hazard Management

EESA Safety Management is based around the philosophy of identifying and resolving Hazards to reduce safety risk to personnel and the public.

Within the wider Risk Management framework, there is a safety – specific risk framework, designed to identify and resolve (mitigate) hazards that may result in a Safety Risk.

Hazards in EESA operations that may result in safety risk can arise from:

- a) Direct WHS issues in the working environment (i.e. slips, trips, and falls);
- b) Issues arising from the technical realm (i.e. maintenance or engineering system issues); and
- c) Issues arising from interaction with third parties (i.e. land stakeholder management).

As a result, EESA safety hazards are classified as either:

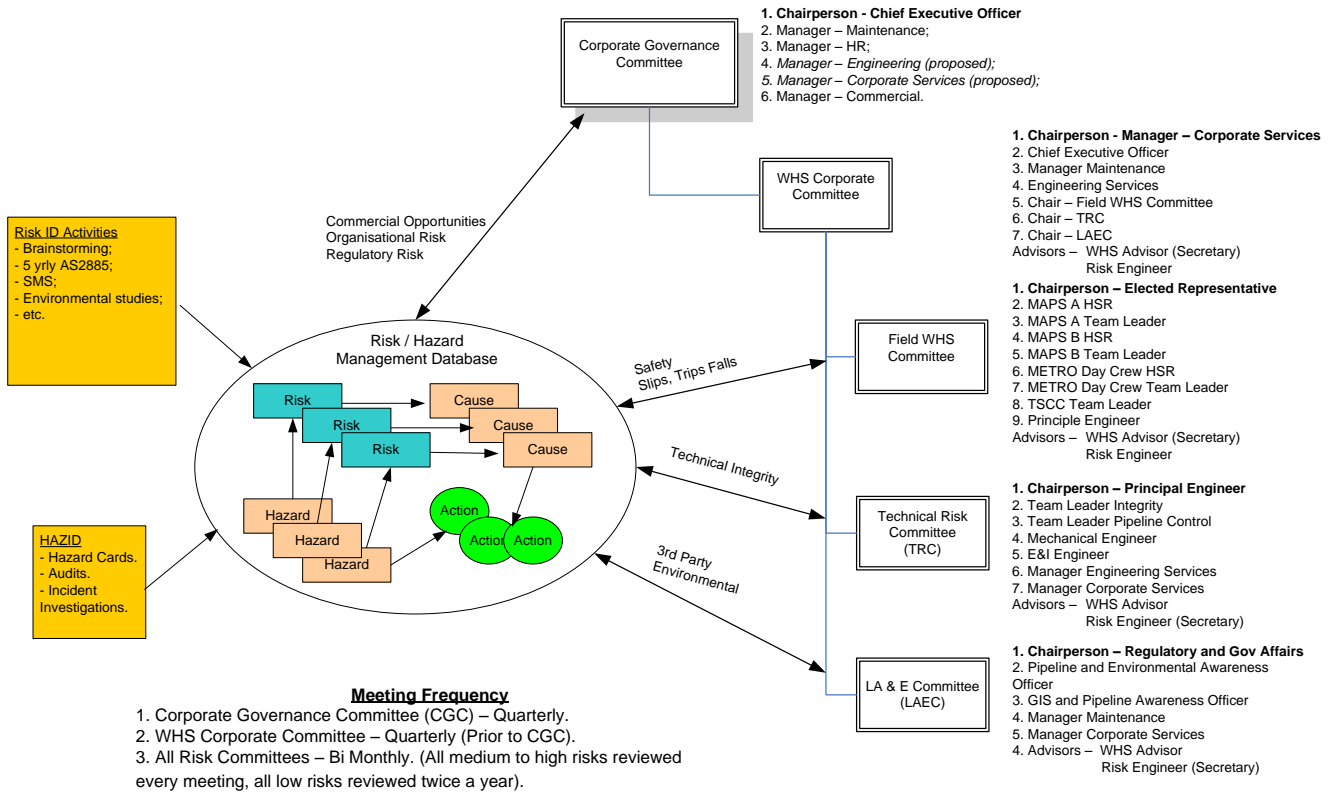
- a) Safety;
- b) Technical; and
- c) LA&E.

Structure and Responsibility

A committee structure ensures that the relevant skills and expertise are available to resolve hazards of each classification.

An online Risk Management Database (named Corporate Governance Risk (CGR)) is used as a tool to manage all hazards and their risks, and maintain an effective audit trail of actions taken to mitigate risks.

The committee structure is depicted below.



11 MANAGEMENT SYSTEM AUDITS

11.1 Health and Safety Audits

A complete external audit of the Safety Management System, including all 16 standards, was completed during 2012.

Overall the audit found that Epic Energy has in place:

- applicable health, safety and environmental requirements were in compliance with statutory and Safety Case Requirements
- clearly defined roles and responsibilities documented within the Safety Management System
- a comprehensive Occupational Health and Safety Management (SMS) systems and
- That the Epic Energy SMS is being appropriately implemented

The audit found 4 non-conformances being noted by the auditor and 31 recommendations for improvement. Epic will review the recommendations and implement an improvement plan for short term and long term priorities.

11.2 Management Audit

Epic Energy completed a number of management audits during the year. These were a combination of Epic’s internal audit program and external audits by industry experts initiated by Epic Energy.

The following topic areas were subject to audit during 2012;

- Safety Critical Device Audit
- SWER Maintenance Plan Audit
- Vehicle Driving Audits

- Life Saver Control Audits
- Drawing Audits for TSCC and Wasleys
- Personnel Tracking Movement Audits
- Aerial Surveillance Audit
- Peterborough Depot Soils & Samples Audit
- Compliance with NGRS Reporting
- Aviation Audits
- AS 2885.3 Readiness Review
- Review of STTM Compliance Systems

The auditing program offers the opportunity to identify and promote continual improvement within Epic Energy and completion of these audits is recognized as a key performance indicator by the board of directors.

12 REPORTS ISSUED DURING THE 2012 LICENCE YEAR

The following reports were generated for PL3&4 during the 2012.

- PL3 and PL4 Pipeline 2011 Annual Report
- Epic Energy 2012 South East Pipeline facilities drawing audit
- Rosen epic energy 06" gas pipeline Katnook station to Kimberly Clark inline inspection report
- South East Pipeline system fracture control plan
- Operations and maintenance gas venting report
- Epic Energy workplace health and safety glossary of terms
- Epic Energy SMS audit tool
- Environmental risk register review report
- Corporate workplace health & safety annual business plan 2012 January monthly report
- Corporate workplace health & safety annual business plan 2012 February monthly report
- Epic Energy's perspective on the pacific gas and electric company's gas transmission pipeline rupture and fire in San Bruno
- APIA pipeline operator's group activity report (October 2011 to April 2012)

13 VOLUME OF PRODUCT TRANSPORTED

Approx 1431 TJ of natural gas was transported through the SEP system during 2012.

14 PROPOSED OPERATIONAL ACTIVITIES FOR 2013 LICENCE YEAR

During 2013 the following activities are planned for the Sout East Pipeline:

- An ILI using an intelligent pig is planned for June 2013 in the Glencoe Junction to Mt Gambier section of the SEPS. This is a follow up exercise to the Katnook to Apcel run done in 2012, where low pipeline flows prevented completion of the full SEPS intelligent ILI program.
- A review of the earthing and lightning protection system for the Katnook meter station and downstream pipework (both the Safries lateral and the Katnook to Apcel mainline) will be carried out in 2013 on account of a new powerline that was installed in this area in late 2012.
- As an action item from the 2012 Safety Management Study for SEPS, ongoing liaison is to occur with the Biogro composting facility at approximate KP11.5 on the Mt Gambier lateral to establish an annual depth of cover monitoring program, as well as an assessment of any impact from site operations on maintaining signage line of sight (i.e. ensuring that movement of large stockpiles on site does not obscure signage).

15 STATEMENT OF EXPENDITURE

Expenditure on the SEP system for 2012 is 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 2012.

	2012 Target	2012 Actual	2012 Comments
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%	99.94%	Expectations for 2012 met
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 in the vicinity of the pipeline during 2012

17 CONCLUSION

The maintenance and inspection programs carried out on the SEP system in 2012 indicated the pipeline is in sound condition and is capable of operating at set parameters with no restrictions.

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

Appendix A – Assessment of Declared Objectives

Assessment of Declared Objectives

OBJECTIVE	GOAL	HOW / MEASURE	OBJECTIVE ACHIEVED	OBJECTIVE ACHIEVED "YES/NO"	SUPPORTING COMMENTS
<p>1. To avoid unnecessary disturbance to 3rd party infrastructure, landholders or land use</p>	<p>1.1 To minimise disturbance or damage to infrastructure/land use and remediate where disturbance cannot be avoided</p>	<p>Incident reports. Records of communications with adjacent landholders / 3rd party prior to & during maintenance work. Landholder contact records database. Photo points or inspection reports, specifically to look at: removal of waste products, re-instatement of soil profiles, adequate re-contouring of surface profile, return of land use. Where disturbance is unavoidable or accidental, infrastructure or land use is restored as near as is practicable to its pre-disturbed condition or as agreed between the relevant parties. Duration of disturbance does not exceed agreed timeframe.</p>	<p>No reasonable landholder complaints</p>	<p>Yes</p>	<p>There were no activities carried out during 2012 to cause disturbance or damage to 3rd party infrastructure.</p>
	<p>1.2 To minimise disturbance to landholders</p>	<p>Records of communications with adjacent landholders / 3rd party prior to & during maintenance work. Landholder contact records database. Landholder activities not restricted as a result of pipeline activities. Completed disturbance checklist.</p>	<p>No reasonable landholder complaints. Landholder activities not restricted or disturbed as a result of pipeline activities unless by prior arrangement.</p>	<p>Yes</p>	<p>Refer to 1.1</p>

OBJECTIVE	GOAL	HOW / MEASURE	OBJECTIVE ACHIEVED	OBJECTIVE ACHIEVED "YES/NO"	SUPPORTING COMMENTS
2. To maintain soil stability/ integrity	2.1 To remediate erosion as a result of pipeline operations in a timely manner	<p>Timed photo points or annual land survey, specifically to look at evidence of erosion, subsidence, vegetation loss on easement & compare to adjacent land.</p> <p>Inspections undertaken as part of regular patrols, following specific works, following significant storm events.</p> <p>Preventative measures implemented and monitored in susceptible areas</p>	The extent of soil erosion on the easement is consistent with surrounding land.	Yes	The pipeline is routinely patrolled with no erosion or soil inversions detected in 2012.
	2.2 To prevent soil inversion	<p>Annual land survey to look for soil discolouration, success of vegetation return as an indicator.</p> <p>Disturbance checklist signed off to indicate top soil/subsoil are stockpiled separately and soil profiles appropriately reinstated following the re-instatement of works/excavations.</p>	<p>Vegetation cover is consistent with surrounding land.</p> <p>No evidence of subsoil on surface (colour).</p> <p>No landholder complaints.</p>	Yes	Refer to 2.1

OBJECTIVE	GOAL	HOW / MEASURE	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	Annual land survey to look for evidence of disturbance to vegetation on easement (apart from access tracks). Disturbance checklist (including timed photos) signed off to indicate adequate steps undertaken to facilitate regrowth. Follow-up rehabilitation work undertaken where natural regeneration has been inadequate.	Species abundance and distribution on the easement. Note: assessment of the consistency with surrounding areas will take into account that re-growth is a time and rainfall dependent process.	Yes	The native vegetation within the pipeline easement is consistent with surrounding environment.
	3.2 To minimise additional clearing of native vegetation as part of operational activities	Annual land easement survey to review vegetation regrowth. Records demonstrating compliance with AS2885. Vegetation removed in accordance with the <i>Native Vegetation Act 1991</i> and <i>Development Act 1993</i> .	No pipeline interference due to vegetation cover.	Yes	No excavations or soil disturbance was carried out during 2012.

OBJECTIVE	GOAL	HOW / MEASURE	OBJECTIVE ACHIEVED	OBJECTIVE ACHIEVED "YES/NO"	SUPPORTING COMMENTS
	<p>3.3 To minimise additional clearing of native vegetation as part of operational activities</p>	<p>Annual land survey to look for evidence of disturbance to vegetation on easement (apart from access tracks).</p> <p>Use of Disturbance checklist and photo points before, during & after any excavation or land disturbance activity.</p> <p>Vegetation trimmed rather than cleared where possible.</p> <p>Consideration of sensitive vegetation during vegetation trimming and / or clearing activities in line with government legislation and regulations.</p> <p>Where practicable approval obtained under <i>Native Vegetation Act 1991</i> for any clearance of native vegetation.</p>	<p>Vegetation clearance is limited to previously disturbed areas or areas assessed to be of low sensitivity, unless prior regulatory approval obtained.</p>	<p>Yes</p>	<p>Refer to 3.2</p>
	<p>3.4 To ensure maintenance activities are planned and conducted in a manner that minimises impacts on native fauna</p>	<p>Use of Disturbance checklist and photo points before, during & after any excavation or land disturbance activity.</p> <p>In event of pipeline repair, open trenches are monitored daily and not left open for more than 72 hours.</p>	<p>The excavation procedure is followed at all times, which requires the implementation of good fauna management practices.</p>	<p>Yes</p>	<p>No excavations, land disturbance or open trench in 2012.</p>

OBJECTIVE	GOAL	HOW / MEASURE	OBJECTIVE ACHIEVED	OBJECTIVE ACHIEVED "YES/NO"	SUPPORTING COMMENTS
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	Regular patrols undertaken to look for evidence of weeds on easement and adjacent land (if weeds on easement but not adjacent land must implement control to prevent spread). Records of outbreaks found, weed control activities and photo-monitoring of significant outbreaks. Where appropriate, closure of access tracks.	The presence of weeds and pathogens on the easement is 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.
5. To minimise the impact of the pipeline operations on surface water resources	5.1 To maintain current surface drainage patterns	Regular patrols and annual survey undertaken to look for evidence of erosion, abnormal vegetation growth or death. Observations also to be undertaken following significant storm events. Use of Disturbance checklist and photo points before, during and after excavations, CP installation, construction activities, etc.	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 2012.

OBJECTIVE	GOAL	HOW / MEASURE	OBJECTIVE ACHIEVED	OBJECTIVE ACHIEVED "YES/NO"	SUPPORTING COMMENTS
6. To avoid land or water contamination	6.1 To prevent spills occurring, and if they occur minimise their impact	<p>Evidence of soil discolouration, vegetation or fauna death during patrols.</p> <p>Incident / Spill reports.</p> <p>Use of spill protection methods where work is completed within or adjacent to environmentally sensitive areas.</p> <p>Containment of all hazardous substances and liquid waste in appropriate vessels.</p> <p>In the event of a spill, the spill was:</p> <ul style="list-style-type: none"> • Reported • Contained • Cleaned-up, and • Cause investigated and corrective and/or preventative action implemented. <p>Prevention program including pigging, intelligent pigging and pipe maintenance.</p> <p>Compliance with relevant sections of the Environment Protection Act.</p>	<p>No soil or water contamination as a result of pipeline activities.</p> <p>No land or water contamination as a result of spills during pipeline operation activities.</p>	Yes	No spills were recorded in 2012.
	6.2 To remediate and monitor areas of known contamination arising from pipeline operations.	<p>Incident / Spill reports.</p> <p>Active remediation methods implemented where it is determined that contamination is spreading or level of contamination is not decreasing.</p> <p>Use of groundwater monitoring bores.</p> <p>Use of soil farms for remediation.</p>	<p>Contamination confined to known area.</p> <p>Level of contamination continually decreasing, ultimately to meet EPA guidelines.</p>	Yes	There are no known contaminated areas from pipeline operations on the South East Pipeline System

OBJECTIVE	GOAL	HOW / MEASURE	OBJECTIVE ACHIEVED	OBJECTIVE ACHIEVED "YES/NO"	SUPPORTING COMMENTS
	6.3 To prevent the spread of contamination where then easement intersects known contaminated sites.	Use of Disturbance checklist and photo points before, during & after excavations, CP installation, construction activities, etc. Identification of contaminated sites along easement and establishment of monitoring points.	No evidence of movement of contaminated material along easement (i.e. vegetation death, soil discolouration, subsidence).	Yes	Refer to 6.2
	6.4 To ensure that rubbish and waste material is disposed of in an appropriate manner.	Regular patrols or annual survey undertaken to look for evidence of rubbish, spills (soil discolouration). Waste disposal records, chemical manifests. Appropriately licensed contractors used for any hazardous waste disposal and records are maintained for all hazardous waste disposal. Use of Disturbance checklist and photo points before, during & after excavations, CP installation, construction activities, etc.	No evidence of rubbish or litter on easement or at facilities. Waste material is contained and disposed of in accordance with EPA approved procedures.	Yes	All waste materials are disposed by a licensed carrier in accordance with Epic's Waste Management Procedure.

OBJECTIVE	GOAL	HOW / MEASURE	OBJECTIVE ACHIEVED	OBJECTIVE ACHIEVED "YES/NO"	SUPPORTING COMMENTS
	6.5 To prevent impacts as a result of waste water disposal	<p>Water disposed of in a manner that prevented discharge or runoff to watercourses or environmentally sensitive areas.</p> <p>Water discharged onto stable ground, with no evidence of erosion as a result of discharge.</p> <p>Records on source of water and discharge method/location.</p> <p>Testing of water quality prior to release/disposal of waste water.</p> <p>Inspection of water disposal sites for evidence of water entering a watercourse or environmentally sensitive area.</p> <p>Compliance with the <i>Environment Protection (Water Quality) Policy 2003</i>.</p>	No evidence of impacts to soil, water and vegetation as a result of water disposal (ie. soil erosion, dead vegetation, water discoloration).	Yes	No waste water disposal was carried out on the SEP during 2012.
	6.6 To ensure the safe and appropriate disposal of grey and black water (sullage, sewage)	Compliance with the relevant local government regulations or relevant health and sanitation regulations.	No evidence of non-compliance with local or state government regulations.	Yes	Currently not applicable practice on the SEP
7. To minimise the risk to public health and safety	7.1 To adequately protect public safety during normal operations	<p>Job Hazard Analysis.</p> <p>Records of Annual Reports, Fitness for Purpose Reports, Risk Assessments and inspections.</p> <p>Records (including above) demonstrating compliance to AS2885.</p> <p>Emergency procedures implemented and personnel trained.</p>	No injuries or incidents involving the public.	Yes	<p>All pipeline signage is considered to be fit for purpose and is maintained at a standard to meet AS2885 requirements</p> <p>All landowners on the pipeline were contacted by an Epic Energy representative during 2012.</p>

OBJECTIVE	GOAL	HOW / MEASURE	OBJECTIVE ACHIEVED	OBJECTIVE ACHIEVED "YES/NO"	SUPPORTING COMMENTS
	<p>7.2 To adequately protect public safety during maintenance</p>	<p>Job Hazard Analysis'. Records of communications with adjacent landholders prior to and during maintenance work including advice on the nature and schedule of maintenance activities. Use of signage or bunting to identify all potentially hazardous areas. Adequate implementation of traffic management practices. Records of regular emergency response training for employees and review of procedures. Incident Reports.</p>	<p>No injuries or incidents involving the public. Emergency procedures implemented and personnel trained.</p>	<p>Yes</p>	<p>Epic Energy and its contractors operate under a Safety Management System that includes working with detailed instructions, permit to work and job hazard analysis which all contribute to achieving this objective.</p>
	<p>7.3 To avoid fires associated with pipeline maintenance activities</p>	<p>Incident reports. Records of regular fire safety and emergency response training for all operations personnel and review of procedures. Established procedures for minimising fire risk during maintenance. Emergency procedures implemented and personnel trained.</p>	<p>No pipeline related fires.</p>	<p>Yes</p>	<p>There were no fires on the SEP system during 2012.</p>

OBJECTIVE	GOAL	HOW / MEASURE	OBJECTIVE ACHIEVED	OBJECTIVE ACHIEVED "YES/NO"	SUPPORTING COMMENTS
	<p>7.4 To prevent unauthorised activity on the easement that may adversely impact on the pipeline integrity</p>	<p>Inspection / Patrol reports and records. Comprehensive landholder and other stakeholder pipeline awareness program and records of communications with these. Community education program implemented in Regional areas. 'Dial before you dig' number available and widely advertised. Clear identification of the pipeline by signs installed in accordance with AS2885. All reports of unauthorised activity are reported and investigated.</p>	<p>No unauthorised activity on the easement that has the potential to impact on the pipeline integrity.</p>	<p>Yes</p>	<p>There were no reported unauthorised activities within the pipeline easement during 2012.</p>
<p>8. Minimise impact of emergency situations</p>	<p>8.1 To minimise the impact as a result of an emergency situation or incident</p>	<p>Incident reports. Emergency response trials (carried out at least annually) and associated documentation. Records of regular emergency response training for all personnel and review of procedures. Link between ER exercises and Risk assessment.</p>	<p>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.</p>	<p>Yes</p>	<p>No emergency response incidents reported during 2012. Emergency Response training was carried out to field staff</p>

OBJECTIVE	GOAL	HOW / MEASURE	OBJECTIVE ACHIEVED	OBJECTIVE ACHIEVED "YES/NO"	SUPPORTING COMMENTS
	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).	Refer to previous criteria (Objective 1, 2, 3 & 6).	Yes	No emergency response incidents reported during 2012.
9. To minimise noise due to operations	9.1 To ensure operations comply with noise standards	Incident reports. Monitoring results, where deemed necessary (e.g. frequent complaints).	Operational activities comply with noise regulations, under the <i>Environment Protection (Noise) Policy 2007</i> . No complaints received.	Yes	No complaints received during 2012.
10. To minimise atmospheric emissions	10.1 To eliminate uncontrolled atmospheric emissions	Maintenance Program Following relevant operational procedures Compliance with <i>Environment Protection (Air Quality) Policy 1994</i> .	No uncontrolled atmospheric emission.	Yes	No uncontrolled atmospheric emissions occurred or were reported in 2012.
	10.2 To minimise the generation of dust.	Incident reports. Compliance with EMS Procedures (vehicle movement, dust suppression, etc).	No complaints received. No dust related injuries recorded.	Yes	No dust complaints were received in 2012. Epic undertakes dust remediation measures should this be required.

OBJECTIVE	GOAL	HOW / MEASURE	OBJECTIVE ACHIEVED	OBJECTIVE ACHIEVED "YES/NO"	SUPPORTING COMMENTS
<p>11. To adequately protect cultural heritage sites and values during operations and maintenance</p>	<p>11.1 To ensure that identified cultural sites are not disturbed</p>	<p>Consultation with relevant heritage groups if operations occurring outside known surveyed areas.</p> <p>Records of site locations on operations GIS.</p> <p>Use of Disturbance checklist prior to undertaking maintenance works.</p> <p>Site examined for cultural heritage material prior to work involving off-easement disturbance or in an area of archaeological potential or in an area identified as being of known medium to high archaeological sensitivity.</p> <p>Any new sites identified are recorded in Land Management System and reported to appropriate authority.</p>	<p>No impact to known sites without approval under the <i>Aboriginal Heritage Act 1988</i> or the <i>Heritage Places Act 1993</i>.</p>	<p>Yes</p>	<p>Epic Energy has a Cultural Heritage Procedure and Work Instruction which describes the process and considerations that apply to the management of cultural heritage sites on or in the vicinity of Epic's pipeline easements, access tracks and associated facilities.</p> <p>No operation and maintenance activities occurred that would have had the potential to impact on any cultural heritage sites located in the SEP.</p>