

Issues and Responses Report for the Petroline Pipeline EIA

Table 1: KOMATIPOORT OPEN AY (24 JULY 2007) ISSUES AND RESPONSE LIST

Interested and affected party	Issue	Response
1. ECONOMIC IMPACTS		
1.1 Employment opportunities		
James Madala, Labour Broker and construction contractor	I am interested in becoming a contractor or labour broker on the project.	The appointment of contractors and suppliers will occur during the construction phase of the project. Your details are recorded on our supplier and contractor database and will be passed on to the relevant persons for consideration at the time.
1.2 Loss of agricultural potential		
Jan Erasmus, Mpumalanga Cane Growers Association	Bury the pipeline deeper than 1 meter for sugar cane re-plant.	The top of the pipeline will always be at least 1 meter below surface. The depth will increase to varying degrees in specific situations where the land utilization and surface conditions necessitate that it must. Typically agricultural land, urban and residential areas will necessitate this to allow for ploughing and for safety reasons respectively.
Jan Erasmus, Mpumalanga Cane Growers Association	The A (green) and C (pink) routes go through small-scale growers areas in the east	A servitude specialist team will visit farm owners individually to determine their right-of-way requirements.
Ian de Jager, TSB Shubombo sugar cane farm	The pipeline must be buried deeper than 1 meter. Make sure that you speak to claimants in the area: Hans Balyamajura at 082 334 7838	<p>The top of the pipeline will always be at least 1 meter below surface. The depth will increase to varying degrees in specific situations where the land utilization and surface conditions necessitate that it must. Typically agricultural land, urban and residential areas will necessitate this to allow for ploughing and for safety reasons respectively.</p> <p>The contact details of Mr Balyamajura have been passed on to the public participation team to ensure opportunity to raise issues.</p> <p>A servitude specialist team will visit farm owners individually to determine their right-of-way requirements.</p>
Awie de Swardt, TSB Shubombo sugar cane farm	Any spillage could cause a huge environmental impact. Follow route A or C.	Various design and management measures will be implemented to ensure that the risk of spillage is minimized as far as practicably possible.

Pierre van Niekerk, Golden Frontiers Citrus Farms	Routes A and C will not affect us at all. If route B is followed we need more information on farm sections JU-162 and JU-175.	The information will be made available if route B is chosen. A servitude specialist team will visit farm owners individually to determine their right-of-way requirements if route B is to be followed.
1.3 Regional Economic Benefits		
Adri Stols, Van Wettens Breakdown Service	Very good idea. Can benefit our country and its people.	Comment noted.
2. BIOPHYSICAL IMPACTS		
2.1 Fauna and flora		
Jan Erasmus, Mpumalanga Cane Growers Association	The A (green) and C (pink) routes go through the Barberton center of plant endemism as well as through the Croc River Gorge Conservancy	An ecologist has been appointed as specialist to investigate impacts on fauna and flora and to propose measures to avoid or mitigate impacts.
Karlien Trimpelmann, Mpumalanga Cane Growers Association	The A and C routes will impact on the Barberton area, one of only 3 in Mpumalanga that is rich in geological, botanical and cultural diversity. The B (yellow) route follows an area already disturbed by the Sasol gas pipeline.	An ecologist and heritage specialist have been appointed to investigate impacts on fauna, flora and historical sites and to propose measures to avoid or mitigate impacts. From a community safety perspective, the potential risks of installing a liquid fuels pipeline next to a gas pipeline negate the potential benefits of doing so.
3. SOCIAL AND VISUAL IMPACTS		
3.1 Impact on landowners		
Jan Erasmus, Mpumalanga Cane Growers Association	Best mitigation is to use the current Sasol and Eskom servitudes.	From a community safety perspective, the potential risks of installing a liquid fuels pipeline next to a gas pipeline negate the potential benefits of doing so. The possible use of Eskom servitudes is being investigated.
3.2 Social responsibility		
Abdul Julius, SA National Civics Organization (SANCO)	How will local people benefit from the project through social responsibility?	The independent environmental consultants and Petroline will investigate social responsibility opportunities and incorporate these into the construction and operational phases of the project where applicable.

Table 2: NELSPRUIT OPEN DAY (25 JULY 2007) ISSUES AND RESPONSE LIST

Interested and affected party	Issue	Response
1. ECONOMIC IMPACTS		
1.1 Employment opportunities		
Richard Ntiwane, Siya Embili Trading	Job creation. Involve local emerging companies in sub-contracting. Gain skills.	The appointment of contractors and suppliers will occur during the construction phase of the project. Your details are recorded on our supplier and contractor database and will be passed on to the relevant persons for consideration at the time.
Willie van Zyl, Occupational Care South Africa (OCSA)	I would like to provide an occupational health service to Petroline and contractors.	
Dumisani Molamule, SABC Journalist	Local people must benefit from job creation.	Your comment is noted and will be dealt with in the Social Impact Assessment specialist report
Kgopane Pollen, Capacity Outsourcing	Many people from disadvantaged communities will benefit from this project. The project will address a number of issues in the province such as unemployment. I want to supply personnel such as artisans, semi-skilled labour and general labour.	The appointment of contractors and suppliers will occur during the construction phase of the project. Your details are recorded on our supplier and contractor database and will be passed on to the relevant persons for consideration at the time.
Charl Desmore, Destrans Transport Company	Our transport company would like to assist with transport requirements. We were involved with the Sasol gas pipeline from Mozambique.	
Gugu Nkosi, Umcebo Projects	Want to do construction work on the project.	
Loss of agricultural / economic potential		
Yuanitha du Plessis, Ecotechnik Environmental Consultants.	Feasibility of other developments near the pipeline	A major hazard installation risk assessment will be conducted by an approved inspection authority for the pipeline and fuel storage depot, in accordance with the Major Hazard Installation regulations of the OHS Act.
Henning Radley, Radley Estate	Disruption of farming activities	A servitude specialist team will visit farm owners individually to determine their right-of-

Arthur Douglas, Silulumanzi	There will be no impacts inside Silulumanzi concession boundaries.	way requirements. An ecologist and surface hydrologist have been appointed as specialists to investigate impacts on fauna, flora and watercourses and to propose measures to avoid or mitigate impacts.
Christo Nel, Pimlico Resort, Croc River Mountain Conservancy	Resort development would be limited. Feasibility of cargo and costs at KMIA airport, serious impact. Routing must not affect De Hoop, Stonehaven and Pimlico farms.	A servitude specialist team will visit farm owners individually to determine their right-of-way requirements. Your comment has been noted Your comment has been noted
Helen Turnbull, farmer	Can you have a tunnel on the pipeline?	The servitude agreement will specify what can be carried out within the servitude, but for safety reasons it may not be possible to erect a structure over the servitude A major hazard installation risk assessment will be conducted by an approved inspection authority for the pipeline and fuel storage depot, in accordance with the Major Hazard Installation regulations of the OHS Act.
Helen Turnbull, farmer	The pipeline must be buried 1,5 meters below surface.	The top of the pipeline will always be at least 1 meter below surface. The depth will increase to varying degrees in specific situations where the land utilization and surface conditions necessitate that it must. Typically agricultural land, urban and residential areas will necessitate this to allow for ploughing and for safety reasons respectively
Dumisani Molamule, SABC Journalist	Impacts on farming such as water and on Sappi.	A water specialist has been appointed to identify impacts and give recommendations to avoid or mitigate negative impacts. A servitude specialist team will visit farm owners individually to determine their right-of-way requirements
Moses Makhweyane, Ehlanzeni District Municipality	Sterilization of soil and ground	An approximately 6m wide servitude will be required. Certain categories of cultivation (not deep-rooting trees) will be able to continue in the servitude. The pipeline depth can be increased during construction in certain areas to allow for ploughing. The servitude agreement will specify what can be carried out.
M Nel, Elangeni Farms	Residential developments such as the farm Pimlico 305 JT must not be crossed. The farm has been granted township farming with resort and residential rights. Route A (green) goes through the farm Pimlico 305 JT where residential development is in progress – construction will start in Jan 2008.	A servitude specialist team will visit farm owners individually to determine their right-of-way requirements

Futhi Mathebula, HL Hall and Sons	We own part of the land at Rockys Drift.	A servitude specialist team will visit farm owners individually to determine their right-of-way requirements.
M Nel, Elangeni Farms	The Burnside / Cairn communities must be consulted as the area is currently zoned as rural residential. The landowners must be fully informed in writing.	The scoping Issues Report and Executive Summary will be distributed to IAP's. The Scoping Report will be available at venues listed in the Executive Summary. A servitude specialist team will visit farm owners individually to determine their right-of-way requirements
Robin Turnbull, Falcon Glen Country Estate	I do not know how it is going to impact our building and holiday resort.	More information will be available in the impact assessment report. A servitude specialist team will visit farm owners individually to determine their right-of-way requirements.
Anita McGarry, Sappi Forests	Interference with forestry operations. Contractors must get approval before entering the properties of Sappi. Will the loss of trees be permanent or temporary?	A servitude specialist team will visit farm owners individually to determine their right-of-way requirements. Deep-routing trees will not be able to be planted within the approximately 6m wide servitude.
Alun Saayman, Crocodile valley Citrus Company	Possible impacts on agricultural areas during construction. Route B runs close to the Crocodile River. One of the routes (route B) runs through our property planted with citrus and macadamia.	Ecological, surface hydrological and socioeconomic specialists have been appointed to investigate impacts and to propose measures to avoid or mitigate impacts. A servitude specialist team will visit farm owners individually to determine their right-of-way requirements.
1.3 Local Economic benefits		
M Nel, Elangeni Farms	The project creates better availability of fuel in the lowveld.	Comments noted
Futhi Mathebula, HL Hall and Sons	Economic spin-offs such as jobs and GDP growth	
Jimmy Masombuka, Mpumalanga Tourism and Parks	Project will provide effective service of fuel.	
Gugu Nkosi, Umcebo Projects	The pipeline project is very good for Mpumalanga Province. It is a good idea to have a storage depot in Nelspruit as host of the 2010 world cup	
2. BIOPHYSICAL IMPACTS		
Fauna and flora		
Johan Lourens, private individual	Disruption of nature.	An ecologist and surface hydrologist have been appointed as specialists to investigate

		impacts on fauna, flora and watercourses and to propose measures to avoid or mitigate impacts
Hilda Pieterse, estate owner, Bonsberg	<i>Rooi Duikers</i> are found only here.	An ecologist and surface hydrologist have been appointed as specialists to investigate impacts on fauna, flora and watercourses and to propose measures to avoid or mitigate impacts.
Daniel Bester, farmer	We are in a conservancy area (Croc River Mountain). Impact on wildlife and heritage site.	An ecologist, social specialist heritage specialist and surface hydrologist have been appointed to investigate impacts and to propose measures to avoid or mitigate impacts.
Gert Roos, Schoeman Kloof Farmers' Union	Ecology, rivers, Wetlands. I represent the community.	An ecologist and surface hydrologist have been appointed as specialists to investigate impacts on fauna, flora, wetlands and watercourses and to propose measures to avoid or mitigate impacts.
J C Nel, Landowner, Croc River Mountain Conservancy	It (Croc River Mountain Conservancy) is a conservancy with very sensitive flora and fauna. Conserve the area.	An ecologist and surface hydrologist have been appointed as specialists to investigate impacts on fauna and flora and to propose measures to avoid or mitigate impacts.
Marissa Steenkamp, Enpact Environmental Consultants	Aquatic ecosystems. Ecological impacts.	An ecologist and surface hydrologist have been appointed as specialists to investigate impacts on fauna and flora and to propose measures to avoid or mitigate impacts
2.2 Water and soil management		
M Nel, Elangeni Farms	The environmental impact in the conservancy area would be negative. We cannot take the environmental risk of spillage in the reserve.	An ecologist and surface hydrologist have been appointed as specialists to investigate impacts on fauna and flora and to propose measures to avoid or mitigate impacts
Marissa Steenkamp, Enpact Environmental Consultants	Groundwater pollution.	The pipeline will be designed to minimize the chance of spillages. Impacts which could be caused by potential spillages will be investigated as part of the EIA process
Johan Lourens, private individual	Pollution due to spillages.	An ecologist and surface hydrologist have been appointed as specialists to investigate impacts on fauna, flora and watercourses and to propose measures to avoid or mitigate impacts
Cuttrile Mkhonto, Nafcon	Pollution of ground water must be prevented.	The pipeline will be designed to minimize the chance of spillages. Impacts which could be caused by potential spillages will be investigated as part of the EIA process
Gert Roos, Schoeman Kloof Farmers' Union	Ecology, rivers, Wetlands. I represent the community.	An ecologist and surface hydrologist have been appointed as specialists to investigate impacts on fauna, flora, wetlands and watercourses and to propose measures to avoid or mitigate impacts.
Yuanitha du Plessis, Ecotechnik Environmental Consultants	Risk of water pollution due to leaks.	An ecologist and surface hydrologist have been appointed as specialists to investigate impacts on fauna, flora and watercourses and to propose measures to avoid or mitigate impacts
Helen Turnbull, farmer	Spillage environmental impact.	The pipeline will be designed to minimize the chance of spillages. Impacts which could be caused by potential spillages will be investigated as part of the EIA process.

M Nel, Elangeni Farms	The environmental impact in the conservancy area would be negative. We cannot take the environmental risk of spillage in the reserve.	An ecologist and surface hydrologist have been appointed as specialists to investigate impacts on fauna and flora and to propose measures to avoid or mitigate impacts
J Bisset, landowner	The Croc River Mountain Reserve has not been registered yet.	It is a concern that the pipeline may come close to the river. An ecologist and surface hydrologist have been appointed as specialists to investigate impacts on fauna and flora and to propose measures to avoid or mitigate impacts.
Moses Makhweyane, Ehlanzeni District Municipality	Pollution impacts on ground water and surface water.	An ecologist and surface hydrologist have been appointed as specialists to investigate impacts on fauna, flora and watercourses and to propose measures to avoid or mitigate impacts.
3. SOCIAL AND VISUAL IMPACTS		
3.1 Security		
Daniel Bester, farmer	Construction workers may poach wild fauna on the farm.	Recommendations will be made in the Environmental Management Programme report to address security concerns.
Johan Lourens, private individual	Movement of people across our land to inspect and maintain the pipeline. The pipeline may cross our land.	A servitude specialist team will visit farm owners individually to determine their right-of-way requirements.
3.2 Impact on landowners		
Yuanitha du Plessis, Ecotechnik Environmental Consultants	Social impacts with a safety buffer zone.	Besides the major hazard installation risk assessment, a social impact assessment will be undertaken which will provide mitigation and hazard avoidance measures.
Richard Elphick, farmer	Extended servitude. We have the following and I do not need any more: Snyman Fence, Spoornet, Eskom, two high-tension lines, one low-tension line, Telkom and a canal.	A social impact assessment of the pipeline will be undertaken. A servitude specialist team will visit farm owners individually to determine their right-of-way requirements.
Henning Radley, Radley Estate	The Sasol gas pipeline runs across the land.	A social impact assessment of the pipeline will be undertaken. A servitude specialist team will visit farm owners individually to determine their right-of-way requirements.
3.3 Impact on tourism		
Shaun Wood, Adcorp Staffing Group	Preserve our tourist attraction in nature.	Visual impacts will be assessed by a specialist and recommendations will be made to minimize impacts. Recommendations for rehabilitation will be made in the Environmental Management Programme.
4. HERITAGE		

Daniel Bester, farmer	We are in a conservancy area (Croc River Mountain). Impact on wildlife and heritage site	An ecologist, social specialist heritage specialist and surface hydrologist have been appointed to investigate impacts and to propose measures to avoid or mitigate impacts.
Hilda Pieterse, estate owner, Bonsberg	Route must avoid Croc River Mountain Conservancy. Historical significance	An alternative route is being investigated, to avoid the CRMC conservation area. A heritage specialist has been appointed to identify and make recommendations to mitigate impacts.
5. HEALTH AND SAFETY HAZARDS		
Marissa Steenkamp, Enpact Environmental Consultants	Safety risks.	A major hazard installation risk assessment will be conducted by an approved inspection authority for the pipeline and fuel storage depot, in accordance with the Major Hazard Installation regulations of the OHS Act
Johan Lourens, private individual	Safety of people.	
Gert Roos, Schoeman Kloof Farmers' Union	Locality of houses nearby.	
Hilda Pieterse, estate owner, Bonsberg	(Locality of?) Paul Kruger Hospital.	
Cuttrile Mkhonto,	Nafcon Safety measures against air pollution at the depot and fuel spillages from the pipeline. The safety of people in case of a burst and fire must be investigated	<p>A major hazard installation risk assessment will be conducted by an approved inspection authority for the pipeline and fuel storage depot, in accordance with the Major Hazard Installation regulations of the OHS Act.</p> <p>The design of the depot will take account of air pollution concerns</p> <p>The pipeline will be designed to minimize the chance of spillages. Impacts which could be caused by potential spillages will be investigated as part of the EIA process</p>
Yuanitha du Plessis, Ecotechnik Environmental Consultants	Social impacts with a safety buffer zone.	A major hazard installation risk assessment will be conducted by an approved inspection authority for the pipeline and fuel storage depot, in accordance with the Major Hazard Installation regulations of the OHS Act.
Moses Makhweyane, Ehlanzeni District Municipality	Inform the public of the potential hazard and strategies to safeguard against that. Involve Nelspruit local and district municipalities.	The Major Hazard Installation recommendations will be incorporated into the environmental management plan. This will be developed in consultation with the local authorities
6. PROCESS		
6.1 Regulatory requirements		
Shaun Macgregor, Ecoleges	Removal of protected trees requires a license from DWAF.	The appointment of an ECO will be investigated as part of the environmental management plan.
Shaun Macgregor, Ecoleges	Water (use) license applications	Initiation of the WULA application process will happen in parallel with the EIA.

	(WULA) must be submitted timeously to prevent delays.	
6.2 Motivation for project		
Yuanitha du Plessis, Ecotechnik Environmental Consultants	The basis on which the need and desirability of the project is undertaken.	<p>Petroline have identified that there is a petroleum transportation supply constraint in the country that has the potential to seriously affect economic growth.</p> <p>This view is also taken by the Department of Minerals and Energy (DME) and is highlighted in both the Moerane Report of 2006 and the Energy Security Masterplan published by the DME where amongst other things it states that, "without a new, properly sized and integrated pipeline coming on line in Quarter 2 of 2010, the country will be in serious trouble.".</p> <p>The Draft Scoping Report addresses this issue in more detail.</p>
6.3 Environmental management		
Hilda Pieterse, estate owner, Bonsberg	It will be difficult to restore the 5-meter construction strip. The temporary construction right of wayservitude will be 20-25 m wide, and the servitude will finally be approximately 6m wide.	The Draft Environmental Management Plan (EMP) will set out requirements for rehabilitation which the public can review.
6.4 Information requests		
M Nel, Elangeni Farms	The conservancy members must be fully informed in writing about the project.	The scoping Issues Report and Executive Summary will be distributed to IAPs. The Scoping Report will be available at venues listed in the Executive Summary. Proper communication with all IAPs will be maintained throughout the EIA process
Futhi Mathebula, HL Hall and Sons	Do as much public participation as possible.	Proper communication with all IAPs will be maintained throughout the EIA process.
Jimmy Masombuka, Mpumalanga Tourism and Parks	Public hearings should be conducted widely. Mines, ward councillors, government, municipalities must be consulted.	
Anthony Clarke, 4-Site Planning, Schoemanskloof	I need more information on the exact position of the pipeline route.	<p>The exact position of the route has not yet been determined. The recommended corridor, then later the final route will be determined through the EIA process. More information will be available in the impact assessment report.</p> <p>A servitude specialist team will visit farm owners individually to determine their right-of-way requirements.</p>
Adele van Schalkwyk, land owner	Land owned by TSB sugar mill will be influenced. Ensure proper	Proper communication with all IAPs will be maintained throughout the EIA process.

	communication with IAPs.	A servitude specialist team will visit farm owners individually to determine their right-of-way requirements.
6.5 Involvement of additional parties		
Richard Elphick, farmer	Involve Sanparks, MPTA, Mpumalanga Farmers' Union, Onderberg Boere-Unie.	Matrix has been forwarded details to ensure that they are placed on the database
J Bisset, landowner	The Crocodile River is a major irrigation board (tel 013-790 0591).	
Henning Radley, Radley Estate	Consult with Onderberg Boere-Unie Tel 013-790 0591.	
Johan Lourens, private individual	Contact Cairn and Burnside Association – Hannes de Kok	
7. OTHER		
7.1 Infrastructure		
J C Nel, Landowner, Croc River Mountain Conservancy	The Mountain View Dam is planned in our area and a large part of the pipeline will be under water at Lovedale Lows Creek.	The project team is in communication with the relevant office in Water Affairs and Forestry
Yuanitha du Plessis, Ecotechnik Environmental Consultants.	Feasibility of other developments near the pipeline	A major hazard installation risk assessment will be conducted by an approved inspection authority for the pipeline and fuel storage depot, in accordance with the Major Hazard Installation regulations of the OHS Act.
Helen Turnbull, farmer	Eskom power lines are envisaged for the area.	The pipeline project team will consult with the Eskom team planning the powerlines
Arthur Douglas, Silulumanzi	Impact of fuel storage depot on water demand from Nelspruit. Involve Mbombela Municipality, Ben Steyn and Leon Hallatt.	The project team have and will be engaging with Mbombela municipal officials

Table 3: WITBANK OPEN DAY (26 JULY 2007) ISSUES AND RESPONSE LIST

Interested and affected party	Issue	Response
1. ECONOMIC IMPACTS		
1.1 Employment opportunities		
David Malelo, Department of Water Affairs and Forestry, Pretoria	Job creation for local people. Alleviation of poverty. All affected and interested stakeholders must participate in the project.	The appointment of labourers will occur during the construction phase of the project. The proposal will be passed on to the relevant persons for consideration at the time.
Teballo Bashele, Nafcoc Mpumalanga	Nafcoc represents contractors in civil, building and electrical. Keep us well informed.	The public participation process makes opportunity for people to comment on the project
Agreement Mcduduwa, NAFCOC Youth Chamber: Mawonga Services Group	Job creation, transportation of pipes, tanks, database of suppliers. Communities must take part in the construction process.	The appointment of contractors and suppliers will occur during the construction phase of the project. Your details are recorded on our supplier and contractor database and will be passed on to the relevant persons for consideration at the time.
Sibusiso Ntuli, NAFCOC Youth Chamber, Company Architectural Design	Public involvement is essential for job creation. Wants to participate in construction and transportation of materials.	The appointment of labourers will occur during the construction phase of the project. The proposal will be passed on to the relevant persons for consideration at the time.
Dan Skhosana, SA National Civic Organization (SANCO)	We want employment and business opportunities for local people.	
Ray Mabena, Vusu-Nembeza	Opportunities for employment of local labourers. Place people from poor families.	
Robert McCutcheon, Macsteel Fluid Control	Supplier of pipes, fire protection equipment and valves.	
Steven Beukes, Macsteel Fluid Control	Supplier of fire protection equipment and valves.	
Kenneth Nkosi, Prellex 275	Wants to participate as a young contractor.	
1.2 Loss of agricultural / economic potential		
Lindie Erasmus, BHP Billiton, Middelburg Mines	The mine's property is adjacent to the proposed pipeline route B. Farm	More information will be available in the impact assessment report. A servitude specialist team will visit farm owners individually to determine their right-of-way

	portions include Hartebeesfontein, Goedehoop, Klipfontein and Rondebosche. Input from the mine is crucial if the pipeline has to cross their property. Keep us informed of progress with the project.	requirements.
Nivashni Pillay, BHP Billiton, Middelburg Mines	One of the routes may run next to Middelburg Mines. Mitigate this risk.	Comments noted. A servitude specialist team will visit farm owners individually to determine their right-of-way requirements.
Teballo Bashele, Nafcoc Mpumalanga	Interruption of land.	Your comment is noted
Local/Regional Economic benefits		
Nivashni Pillay, BHP Billiton, Middelburg Mines	Project may have positive economic spin-offs.	Comments noted
Kenneth Nkosi, Prellex 275	Project will assist the country with the supply of liquid fuels.	
Sibusiso Ntuli, NAFCOC Youth Chamber, Company Architectural Design	Save fuel transport costs, add fuel supply to inland regions.	
2. BIOPHYSICAL IMPACTS		
Nivashni Pillay, BHP Billiton, Middelburg Mines	Quite a long pipeline that will cross many areas. The Nelspruit area is known to be ecologically sensitive.	An ecologist and surface hydrologist have been appointed as specialists to investigate impacts on fauna and flora and to propose measures to avoid or mitigate impacts.
3. SOCIAL AND VISUAL IMPACTS		
3.1 Impact on communities		
Agreement Mcuduwa, NAFCOC Youth Chamber: Mawonga Services Group	Demolishing of informal settlement	A social specialist will be providing input on the best routing of the pipeline so as to avoid or minimize negative impacts and enhance benefits on settlements where feasible.
Dan Skhosana, SA National Civic Organization (SANCO)	SANCO wants to have a representative on your planning meetings.	The public participation process provides opportunities for engagement, The social/ economic specialist will be conducting an assessment of the project and will provide recommendations for maximizing the benefits of the project.
Dan Skhosana, SA National Civic Organization (SANCO)	Witbank is full of old mines that still burn.	The EIA project team will carry out basic evaluation of cumulative impacts.
4, HEALTH AND SAFETY HAZARDS		
Nivashni Pillay, BHP Billiton, Middelburg Mines	It is a high-risk project and safety must be taken seriously.	A major hazard installation risk assessment will be conducted by an approved inspection authority for the pipeline and fuel storage depot, in accordance with the Major Hazard

.		Installation regulations of the OHS Act
Kenneth Nkosi, Prellex 275	Security is the first priority	
Sibusiso Ntuli, NAFCOC Youth Chamber, Company Architectural Design	Health and safety	
Agreement Mcuduwa, NAFCOC Youth Chamber: Mawonga Services Group	Safety	
Dan Skhosana, SA National Civic Organization (SANCO)	Witbank is full of old mines that still burn.	The pipeline is being routed to avoid burning coal seams.
4. PROCESS		
4.1 Key stakeholders		
Frits Thuynsma, Eskom Generation	Eskom is installing a water pipeline to Duvha power station south of Witbank Dam. Their EIA has commenced. Eskom & DWAF also have an existing water pipelines in the Duvha area, which will be crossed by the fuels pipeline.	The project team have been informed of these issues and this will be followed up accordingly.
4.2 Information requests		
Dan Skhosana, SA National Civic Organization (SANCO)	SANCO wants to have a representative on your planning meetings.	The public participation process provides opportunities for engagement, The social/ economic specialist will be conducting an assessment of the project and will provide recommendations for maximizing the benefits of the project.
Teballo Bashele, Nafcoc Mpumalanga	Keep communities informed so that they can prepare for the development.	The scoping Issues Report and Executive Summary will be distributed to IAP's. The Scoping Report will be available at venues listed in the Executive Summary. Proper communication with all IAPs will be maintained throughout the EIA process.
Lindie Erasmus, BHP Billiton, Middelburg Mines	The mine's property is adjacent to the proposed pipeline route B. Farm portions include Hartebeesfontein, Goedehoop, Klipfontein and Rondebosche. Input from the mine is crucial if the pipeline has to cross their property. Keep us informed of progress with the project.	More information will be available in the impact assessment report. A servitude specialist team will visit farm owners individually to determine their right-of-way requirements.
4.3 Involvement of additional parties		

Agreement Mcuduwa, NAFCOC Youth Chamber: Mawonga Services Group	Contact: NAFCOC Youth Chamber, President Mandla Mashego, tel 013-752 2638 / 072 023 2585.	Comment noted
Nivashni Pillay, BHP Billiton, Middelburg Mines	Consult with all the mines in the area.	Comments noted

Table 4: Issues raised by Interested and Affected Parties received by e-mail, fax or post

INTERESTED AND AFFECTED PARTY	FORM OF COMMUNICATION	ISSUES RAISED	RESPONSE
ECONOMIC IMPACTS			
Employment opportunities			
JES (Eddie) van Zyl : AGS van SA	Fax received 3 July 2007	Environmental issues and job creation. Belfast has a very poor community.	Your comment is noted and will be dealt with in the Social Impact Assessment specialist report
L (Lise) van der Berg : MPG Transport (Mpumalanga Freight)	E-Mail received 30 July 2007	We are a transport operator, Mpumalanga freight cc, based in the Lowveld.	The appointment of contractors and suppliers will occur during the construction phase of the project. Your details are recorded on our supplier and contractor database and will be passed on to the relevant persons for consideration at the time.
VF (Vusimuzi) Maseko : Nglamande Khubonye Projects	Fax received 22 July 2007	Good project. Interest: Building and pest control	
L Gouws : Seals for Africa	Fax received 25 July 2007	Supply and execute pipeline - construction, road making, supply of valves and other products	
JF (Jan) Stephens : Jayess Electrical and Irrigation	Fax received 16 July 2006	We are a local irrigation and electrical firm and are interested in quoting on your pipeline and pump stations	
AF (Abel-Fana) Ndimande, General Public	Received by post	I foresee more jobs being created. I would like the community around or next to the pipeline to be informed with regard to any more. My interest is to tender for transport staff during the building of this pipeline	Your comment is noted and will be dealt with in the Social Impact Assessment specialist report
JPM (Jean-Pierre) Le Scour : Lebombo Parish	Fax received 6 July 2007	Job creation?	
J (Johannes) J Masuluke : Mpumalanga Agriculture Development Corporation	Fax received 29 June 2007	This project will have positive impact toward the development of the county's economy as well as job creation through tendering. My comments are more of creating business people around the area where construction will be happening through tendering for the jobs. I would like to contribute in becoming part of the project team at initiation stage by means of becoming one of the committee members. I am also interested in tendering for a job during construction	Your comments are noted and will be dealt with in the Social Impact Assessment specialist report. Recommendations will be made for involvement of local communities in job creation
L (Lillian Busie)	Received by post	Interested to be sub-contracted as transport service provider to supply machinery i.e. tipper	The appointment of contractors

Sehlabela : Bhacaza Investments		trucks, escalators & workforce.	and suppliers will occur during the construction phase of the project. Your details are recorded on our supplier and contractor database and will be passed on to the relevant persons for consideration at the time.
F (Fenter) Khumalo : NAFCOC Construction Mpumalanga	Fax received 12 July 2007	The public, particularly organized business like Nafcoc Construction, must be thoroughly consulted to deal with economic impact issues. As a construction organization we need economic spin-offs and participation by members	Your comment is noted and will be dealt with in the EIA and EMP where recommendations will be made.
Loss of economic potential			
KA (Kevin) Gray : Zondagskraal Farm (landowner)	Fax received 2 August 2007	I am concerned about devaluation of property values. It is unnecessary to ruin Shoemanskloof as there is already a servitude for the gas pipeline.	A servitude specialist team will visit farm owners individually to determine their right-of-way requirements. The potential risks of installing a liquid fuels pipeline next to a gas pipeline negate the potential benefits of doing so
BOT (Barend) van Rensburg : FR Boerdery (landowner)	Received by post	One of the pipelines will cross the property of FR Boerdery.	A servitude specialist team will visit farm owners individually to determine their right-of-way requirements
V (Victor) Allison : General Public	Fax received 16 July 2007	The project is a waste of time and money.	The Draft Scoping Report contains a motivation for the petroleum pipeline which you can review at the locations listed in the covering letter.
DJ (Diderik) Nel : Golden Frontiers Citrus	E-Mail received 18 June 2007	Possible access problems in terms of our operations and possible damage to our infrastructure. Minimize impact as per the above. Adjacent land owner	A servitude specialist team will visit farm owners individually to determine their right-of-way requirements
F (Fenter) Khumalo : NAFCOC Construction Mpumalanga	Fax received 12 July 2007	Delay in traffic and business along the construction route	The Socio-economic specialist report will assess impacts and make recommendations for inclusion in the EMP
Brian Sugden : Mpumalanga Cane Growers Association	Fax received 29 July 2007	Impact on areas planted to sugar-cane in the Komatipoort, Malelane and Barberton areas. Access to farms and compensation for crops destroyed in laying of pipeline. Represent interests of sugar cane growers in Mpumalanga.	A servitude specialist team will visit farm owners individually to determine their right-of-way requirements. The Socio-economic specialist report will assess impacts and make recommendations for inclusion in the EMP
VG (Victor Grant) Dick : Westergloor Farm (landowner)	Received by post	Should it pass through our farmlands is there expropriation of land? Trenching of occupied arable land	Certain categories of cultivation will be able to continue after rehabilitation, including maize, sugar,

			bananas and paw-paws. The servitude will have to be kept clear of trees. No structures will be allowed in the servitude. The servitude agreement will specify what can be carried out.
HD (Dawn) Benyi : Island View Storage	E-Mail received 13 August 2007	Represent Island View Storage - Largest Independent bulk liquid storage company in SA. Petroleum customers and distribution of product will be greatly affected by strategic location	Comment noted
Impact on tourism			
DHP (Dawie) Boers : Aida Estate Agents	Fax received 2 July 2007	Interest: Pollution of the environment where tourism has the highest potential for job creation and economic development must be prevented	Specialists will be appointed to evaluate impacts, including socio-economic, and to proposed mitigation measures.
Economic benefits			
DN Mbenekazi : NAFCOC Construction	Fax received 7 July 2007	The beneficiation of the populace throughout the length and breath of the pipeline construction and ownership stake holding.	Your comment is noted
SP (Sarel) Janse van Rensburg : Spoornet	Fax received 11 July 2007	Positive for development. I see this as a positive project for the community. Development and being part of growth.	
L (Lillian Busie) Sehlabela : Bhacaza Investments	Received by post	It will contribute towards national & international economic development. The pipeline must comply with the broad based black economic empowerment policy and enhance local economic participation	
JG (Johan) Henning : General Public	Fax received 11 July 2007	It all depends on the location of the storage facilities which is not known at present. Any development will be good for the community. <u>Interest</u> : None so far as the route of the pipeline is not known.	Your details are recorded on the database and you will be kept informed as the project proceeds
BIOPHYSICAL IMPACTS			
HD (Dawn) Benyi : Island View Storage	E-Mail received 13 August 2007	The impact on air, groundwater and water contamination.	Surface hydrological specialists have been appointed to identify potential impacts and to make recommendations for avoidance or mitigation of impacts. Environmental risk assessment will also be carried out.
J (Johan) Rademan : Croc Mountain Conservancy (landowner)	Fax received 19 July 2007	Destroy fauna & flora in sensitive mountain conservation area. The Croc River Mountain Conservancy are currently managed by its members and have a concern regarding the negative impact of a 25 m sterile area.)An ecological specialist has been appointed to identify potential impacts and make recommendations to avoid and minim
TEC (Doors) Botha: Landowner	Fax received 16 July 2007	Leakage of pipeline, water & boreholes pollution	Surface hydrological specialists have been appointed to identify potential impacts and to make recommendations for avoidance or mitigation of impacts.

VG (Victor Grant) Dick : Westergloor Farm (landowner)	Received by post	Will there be fuel seepages & leakages.	Various design and management measures will be implemented to ensure that the risk of spillage is minimized as far as possible.
C (Claude) Sawyer : Rouxville Farm (landowner)	Received by post	Possible soil erosion?	Surface hydrological specialists have been appointed to identify potential impacts and to make recommendations for avoidance or mitigation of impacts.
V (Victor) Allison : General Public	Fax received 16 July 2007	What will the environmental impact be from leakages	Various design and management measures will be implemented to ensure that the risk of leakage is minimized as far as possible.
R (Ronelle) Putter : Crocodile River Major Irrigation Board & Onderberg Farmers Association	Fax received 10 July 2007	Spillage as a potential impact. Want route of intended pipeline. Impact on water resources and agriculture in Onderberg and on Crocodile river.	Various design and management measures will be implemented to ensure that the risk of leakage is minimized as far as possible.
JH (Joseph) Mabunda : Inkomati Catchment Management Agency (ICMA)	Fax received 29 June 2007	Potential spillage of the fuel into the river system.	Various design and management measures will be implemented to ensure that the risk of leakage is minimized as far as possible. A major hazard installation risk assessment will be conducted by an approved inspection authority for the pipeline and fuel storage depot, in accordance with the Major Hazard Installation regulations of the OHS Act.
P (Peter) Pyke, Department of Water Affairs & Forestry	Fax received 19 July 2007	Potential water pollution from leaks.	
JPM (Jean-Pierre) Le Scour : Lebombo Parish	Fax received 6 July 2007	Consequences for the environment.	Specialists have been appointed to assess potential environmental impacts.
FP (Frank) Borrageiro : Crookes Brothers Ltd	Fax received 2 July 2007	Spillage in or close to the Komati or Crocodile river systems could cause biological problems. Ensure that there will be no or limited impact to the environment.	Various design and management measures will be implemented to ensure that the risk of leakage is minimized as far as possible. A full environmental impact assessment including mitigation measures is being undertaken.
SOCIAL AND VISUAL IMPACTS			
Impacts on communities			
DN Mbenekazi : NAFCOC Construction	Fax received 7 July 2007	Make sure that along the route the pipeline is to be installed that there are no residential areas affected.	The social specialist will assess potential impacts and

			recommendations will be made to avoid or mitigate impacts.
PW (Pieter(Venter : Bronlaw Properties (Pty) Ltd	Fax received 25 July 2007	We could lose our drinking water from a fountain, 15 houses	A servitude specialist team will visit farm owners individually to determine their right-of-way requirements.
Security			
DHP (Dawie) Boers : Aida Estate Agents	Fax received 2 July 2007	Impacts: Pollution due to malicious or unexpected damage to pipeline conductors, pump stations and storage plants	Various design and management measures will be implemented to ensure that the risk of leakage from damage to the pipeline is minimized as far as possible.
C (Claude) Sawyer : Rouxville Farm (landowner)	Received by post	Issue: unwanted human traffic on and through farm during construction	A servitude specialist team will visit farm owners individually to determine their right-of-way requirements
KA (Kevin) Gray : Zondagskraal Farm (landowner)	Fax received 2 August 2007	Uncontrolled access to my farm.	
HEALTH AND SAFETY HAZARDS			
JPM (Jean-Pierre) Le Scour : Lebombo Parish	Fax received 6 July 2007	Safety of people along the pipeline and pump stations	The pipeline is being designed to the latest proven international standards
DHP (Dawie) Boers : Aida Estate Agents	Fax received 2 July 2007	You can't prepare omelets without breaking the eggs, but we need the assurance that the necessary standards comply with international requirements and that the necessary safety and contingency provisions are in place.	A major hazard installation risk assessment will be conducted by an approved inspection authority for the pipeline and fuel storage depot, in accordance with the Major Hazard Installation regulations of the OHS Act. Various design and management measures will be implemented to ensure that the risk of leakage from damage to the pipeline is minimized as far as possible.
FP (Frank) Borrageiro : Crookes Brothers Ltd	Fax received 2 July 2007	Safety issues are always of concern.	
PROCESS			
Regulatory requirements			
NSP (Richard) Green : Department of Water Affairs and Forestry	Fax received 28 June 2007	Depending on the location, the removal of protected trees or indigenous forest. Ensure compliance with the National Forests Act (1990) (Act No 84 of 1998) Sections 7 (1) and 15 (1) with regards to the protected trees and indigenous forest.	The appointment of an Environmental Control Officer will be investigated as part of the environmental management plan.
AF (Abel-Fana)	Received by post	What you have done is good because most of the post office box holders have got this	Your comment is noted.

Ndimande, General Public		assessment form.	
Motivation for project			
Environmental management			
FP (Frank) Borrageiro : Crookes Brothers Ltd	Fax received 2 July 2007	There should be very clear guidelines and policies as far as safety, spillage/contamination are concerned.	A major hazard installation risk assessment will be conducted by an approved inspection authority for the pipeline and fuel storage depot, in accordance with the Major Hazard Installation regulations of the OHS Act
VG (Victor Grant) Dick : Westergloor Farm (landowner)	Received by post	Restoration of land to be environmentally correct as was found	Recommendations for rehabilitation will be made in the Environmental Management Programme
Information requests			
AJ (Awie) Geldenhuys : Property owner	Received by post	Please send more information. Petronet pipeline with flow meter on my property	(sent BID by post)
JH (Joseph) Mabunda : Inkomati Catchment Management Agency (ICMA)	Fax received 29 June 2007	Potential spillage of the fuel into the river system. Guarantee of all stakeholder participation.	A major hazard installation risk assessment will be conducted by an approved inspection authority for the pipeline and fuel storage depot, in accordance with the Major Hazard Installation regulations of the OHS Act.
O (Otch) Otto : Landowner	E-Mail received 25 July 2007	I own property on the Komatipoort route. I do not have any issues with the development but would like to know the route of the pipeline (coordinates will do). Will the proposed pipeline be subsurface or will it be under ground?	The IAP was sent the BID and he replied that he does not have concerns with the development. The pipeline will be underground for the most part, although there may be points where it is above ground
VG (Victor Grant) Dick : Westergloor Farm (landowner)	Received by post	Please forward the routing of the pipeline.	IAP sent BID by post
JJ (Jan) Joubert : JJ Joubert Boerdery (landowner)	Fax received 2 July 2007	Interested in the route of the pipeline and will the pipeline cross my property?	(E-mail sent with Background Information Document and invitation to Public Open Day)
P (Petro) Res : Eltero Rest A While Conference Venue	Received by post	Would like to know more about the project as we are living 3 km from the Petronet pump station in Kendal.	The BID was posted to the IAP
GJ (Gerhardus) van Dyk : Turbo Tune Up Centre	Fax received 25 July 2007	Please forward Background Information Document. We are staying on plot 51, Kendal and our business is in Ogies.	Sent BID by post

FP (Frank) Borrageiro : Crookes Brothers Ltd	Fax received 2 July 2007	Keep the public informed and educated on the project.	The scoping Issues Report and Executive Summary will be distributed to IAPs. The Scoping Report will be available at venues listed in the Executive Summary. Proper communication with all IAPs will be maintained throughout the EIA process
JES (Eddie) van Zyl : AGS van SA	Fax received 3 July 2007	Do not know where the pipeline is situated as well as the pump station and storage facilities.	The routing of the pipeline, as well as the location of the pump stations will be clarified through the EIA process dependent on issues raised in this scoping process and findings of specialists in the EIA.
Involvement of Additional parties			
L (Louw) Potgieter : Ogies Business Forum	Fax received 1 August 2007	Role-players: Principal Piet Bensch Ogies School c: 082 825 5069	Matrix have been forwarded these contact details for followup and inclusion as IAPs
L (Lillian Busie) Sehlabela : Bhacaza Investments	Received by post	Ulusha Projects - Elliot Nick c: 083415 0835, Interactive Trading 211 (Pty) Ltd - Joseph Khoza c: 076 240 4474	
DHP (Dawie) Boers : Aida Estate Agents	Fax received 2 July 2007	EEPOG Eastern Escarpment Protection Organization Dr J Pretorius c: 083 986 4400	
BOT (Barend) van Rensburg : FR Boerdery (landowner)	Received by post	Role-players: Agri Nelspruit t: 013 752 6741	
VG (Victor Grant) Dick : Westergloor Farm (landowner)	Received by post	Role-players: EXXARO at Glisa Colliery Belfast	
OTHER DEVELOPMENTS			
P (Peter) Pyke, Department of Water Affairs & Forestry	Fax received 19 July 2007	Crossing of existing and future water infrastructure.	The project team are in contact with Niel van Wyk regarding dams planned in the study area
BSA (Wendy) Mey : BHPBilliton Business Development Africa, Energy Coal	E-Mail received 11 July 2007	Currently working on a project that involves the construction of water pipelines along the proposed routes between Middelburg and Witbank.	Your comment is noted and has been forwarded to the project team members carrying out engineering design and servitude negotiations for the proposed and route.alternatives
S (Steven) Bloy : BHP Billiton	E-Mail received 10 July 2007	It appears that the infrastructure might impact on Optimum/Eikeboom and Middelburg Mines Services.	
C (Colin) Haupt : COBA Consulting Engineers & Project Managers	E-Mail received 10 May 2007	Several projects planned for BHP Energy Coal SA in Kendal area	
Kobus (KM) Prinsloo : Africon Engineering International (Pty) Ltd	E-Mail received 16 July 2007	Africon has been appointed by Eskom to do the feasibility and basic engineering design of a proposed new pipeline between Rietfontein Weir and Matla and Duvha Power Stations. A layout of the proposed new pipeline attached. Plse forward more detailed information on the proposed route of the new pipeline to ensure that we take cognizance of it in our further	

		planning. Replied to email on 18.07.07 confirm receipt of layout of the Eskom/DWAF pipeline. Forward electronic BID. Received email from Kobus regarding another pipeline from Kendal Power Station to the proposed new power station near Bronkhorstspuit (Bravo). The proposed pipeline will almost certainly cross the proposed new Eskom pipeline between Kendal and Bravo.	
L (Louw) Potgieter : Ogies Business Forum	Fax received 1 August 2007	The problem is that the infrastructure of the town Ogies will not be able to handle the traffic - Currently 200 in 24 hrs trucks. The provincial government and the municipality no maintenance to roads R555 to Kendal & Witbank. Interest: The family owns property in Ogies.	

Table 5: Issues raised by Interested and Affected Parties received by fax or post EIA registration forms and comment sheets

INTERESTED AND AFFECTED PARTY	FORM OF COMMUNICATION	ISSUES RAISED	RESPONSE
ECONOMIC IMPACTS			
Employment opportunities			
JES (Eddie) van Zyl : AGS van SA	Fax received 3 July 2007	Environmental issues and job creation. Belfast has a very poor community.	Your comment is noted and will be dealt with in the Social Impact Assessment specialist report
L (Lise) van der Berg : MPG Transport (Mpumalanga Freight)	E-Mail received 30 July 2007	We are a transport operator, Mpumalanga freight cc, based in the Lowveld.	The appointment of contractors and suppliers will occur during the construction phase of the project. Your details are recorded on our contractors and suppliers database and will be passed on to the relevant persons for consideration at the time.
VF (Vusimuzi) Maseko : Nglamande Khubonye Projects	Fax received 22 July 2007	Good project. Interest: Building and pest control	
L Gouws : Seals for Africa	Fax received 25 July 2007	Supply and execute pipeline - construction, road making, supply of valves and other products	
JF (Jan) Stephens : Jayess Electrical and Irrigation	Fax received 16 July 2006	We are a local irrigation and electrical firm and are interested in quoting on your pipeline and pump stations	
AF (Abel-Fana) Ndimande, General Public	Received by post	I foresee more jobs being created. I would like the community around or next to the pipeline to be informed with regard to any more. My interest is to tender for transport staff during the building of this pipeline	
JPM (Jean-Pierre) Le Scour : Lebombo Parish	Fax received 6 July 2007	Job creation?	Your comment is noted and will be dealt with in the Social Impact Assessment specialist report
J (Johannes) J Masuluke : Mpumalanga Agriculture Development Corporation	Fax received 29 June 2007	This project will have positive impact toward the development of the county's economy as well as job creation through tendering. My comments are more of creating business people around the area where construction will be happening through tendering for the jobs. I would like to contribute in becoming part of the project team at initiation stage by means of becoming one of the committee members. I am also interested in tendering for a job during construction	Your comments are noted and will be dealt with in the Social Impact Assessment specialist report. Recommendations will be made for involvement of local communities in job creation
L (Lillian Busie) Sehlabela : Bhacaza	Received by post	Interested to be sub-contracted as transport service provider to supply machinery i.e tipper trucks, escalators & workforce.	The appointment of contractors and suppliers will occur during the

Investments			construction phase of the project. Your details are recorded on our contractors and suppliers database and will be passed on to the relevant persons for consideration at the time.
F (Fenter) Khumalo : NAFCOC Construction Mpumalanga	Fax received 12 July 2007	The public, particularly organized business like Nafcoc Construction, must be thoroughly consulted to deal with economic impact issues. As a construction organization we need economic spin-offs and participation by members	Your comment is noted and will be dealt with in the EIA and EMP where recommendations will be made.
Loss of economic potential			
KA (Kevin) Gray : Zondagskraal Farm (landowner)	Fax received 2 August 2007	I am concerned about devaluation of property values. It is unnecessary to ruin Schoemanskloof as there is already a servitude for the gas pipeline.	A servitude specialist team will visit farm owners individually to determine their right-of-way requirements. The potential risks of installing a liquid fuels pipeline next to a gas pipeline negate the potential benefits of doing so
BOT (Barend) van Rensburg : FR Boerdery (landowner)	Received by post	One of the pipelines will cross the property of FR Boerdery.	A servitude specialist team will visit farm owners individually to determine their right-of-way requirements
V (Victor) Allison : General Public	Fax received 16 July 2007	The project is a waste of time and money.	The Draft Scoping Report contains a motivation for the petroleum pipeline which you can review at the locations listed in the covering letter.
DJ (Diderik) Nel : Golden Frontiers Citrus	E-Mail received 18 June 2007	Possible access problems in terms of our operations and possible damage to our infrastructure. Minimize impact as per the above. Adjacent land owner	A servitude specialist team will visit farm owners individually to determine their right-of-way requirements
F (Fenter) Khumalo : NAFCOC Construction Mpumalanga	Fax received 12 July 2007	Delay in traffic and business along the construction route	The Socio-economic specialist report will assess impacts and make recommendations for inclusion in the EMP
Brian Sugden : Mpumalanga Cane Growers Association	Fax received 29 July 2007	Impact on areas planted to sugar-cane in the Komatipoort, Malelane and Barberton areas. Access to farms and compensation for crops destroyed in laying of pipeline. Represent interests of sugar cane growers in Mpumalanga.	A servitude specialist team will visit farm owners individually to determine their right-of-way requirements. The Socio-economic specialist report will assess impacts and make recommendations for inclusion in the EMP
VG (Victor Grant) Dick : Westergloor Farm (landowner)	Received by post	Should it pass through our farmlands is there expropriation of land? Trenching of occupied arable land	Certain categories of cultivation will be able to continue after rehabilitation, including maize, sugar, bananas and paw-paws. The servitude will have to be kept clear of trees. No structures will be allowed in the servitude. The servitude agreement will

			specify what can be carried out.
HD (Dawn) Benyi : Island View Storage	E-Mail received 13 August 2007	Represent Island View Storage - Largest Independent bulk liquid storage company in SA. Petroleum customers and distribution of product will be greatly affected by strategic location	Comment noted
Impact on tourism			
DHP (Dawie) Boers : Aida Estate Agents	Fax received 2 July 2007	Pollution of the environment where tourism has the highest potential for job creation and economic development must be prevented	Specialists will be appointed to evaluate impacts, including socio-economic, and to propose mitigation measures.
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DN Mbenekazi : NAFCOC Construction	Fax received 7 July 2007	The beneficiation of the populace throughout the length and breath of the pipeline construction and ownership stake holding.	Your comment is noted
SP (Sarel) Janse van Rensburg : Spoornet	Fax received 11 July 2007	Positive for development. I see this as a positive project for the community. Development and being part of growth.	
L (Lillian Busie) Sehlabela : Bhacaza Investments	Received by post	It will contribute towards national & international economic development. The pipeline must comply with the broad based black economic empowerment policy and enhance local economic participation	
JG (Johan) Henning : General Public	Fax received 11 July 2007	It all depends on the location of the storage facilities which is not known at present. Any development will be good for the community. <u>Interest</u> : None so far as the route of the pipeline is not known.	Your details are recorded on the database and you will be kept informed as the project proceeds
BIOPHYSICAL IMPACTS			
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J (Johan) Rademan : Croc Mountain Conservancy (landowner)	Fax received 19 July 2007	Destruction of fauna & flora in sensitive mountain conservation area. The Croc River Mountain Conservancy is currently managed by its members and we have a concern regarding the negative impact of a 25 m sterile area.	A specialist ecological study will be carried out to identify potential impacts and make recommendations for avoidance and mitigation of negative impacts. It is not envisaged that the route will cross the CRMC area.
TEC (Doors) Botha : Landowner	Fax received 16 July 2007	Leakage of pipeline causing water & borehole pollution	Surface hydrological specialists have been appointed to identify potential impacts and to make recommendations for avoidance or mitigation of impacts.
VG (Victor Grant) Dick : Westergloor Farm	Received by post	Will there be fuel seepages & leakages.	Various design and management measures will be implemented to

(landowner)			ensure that the risk of spillage is minimized as far as possible.
C (Claude) Sawyer : Rouxville Farm (landowner)	Received by post	Possible soil erosion?	Surface hydrological specialists have been appointed to identify potential impacts and to make recommendations for avoidance or mitigation of impacts.
V (Victor) Allison : General Public	Fax received 16 July 2007	What will the environmental impact be from leakages	Various design and management measures will be implemented to ensure that the risk of leakage is minimized as far as possible.
R (Ronelle) Putter : Crocodile River Major Irrigation Board & Onderberg Farmers Association	Fax received 10 July 2007	Spillage as a potential impact. Want route of intended pipeline. Impact on water resources and agriculture in Onderberg and on Crocodile river.	Various design and management measures will be implemented to ensure that the risk of leakage is minimized as far as possible.
JH (Joseph) Mabunda : Inkomati Catchment Management Agency (ICMA)	Fax received 29 June 2007	Potential spillage of the fuel into the river system.	Various design and management measures will be implemented to ensure that the risk of leakage is minimized as far as possible. A major hazard installation risk assessment will be conducted by an approved inspection authority for the pipeline and fuel storage depot, in accordance with the Major Hazard Installation regulations of the OHS Act.
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Impacts on communities			
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KA (Kevin) Gray : Zondagskraal Farm (landowner)	Fax received 2 August 2007	Uncontrolled access to my farm.	
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JPM (Jean-Pierre) Le Scour : Lebombo Parish	Fax received 6 July 2007	Safety of people along the pipeline and pump stations	A major hazard installation risk assessment will be conducted by an approved inspection authority for the pipeline and fuel storage depot, in accordance with the Major Hazard Installation regulations of the OHS Act.
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FP (Frank) Borrageiro : Crookes Brothers Ltd	Fax received 2 July 2007	Safety issues are always of concern.	Various design and management measures will be implemented to ensure that the risk of leakage from damage to the pipeline is minimized as far as possible.
PROCESS			
Regulatory requirements			
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Environmental management			
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JH (Joseph) Mabunda : Inkomati Catchment Management Agency (ICMA)	Fax received 29 June 2007	Potential spillage of the fuel into the river system. Guarantee of all stakeholder participation.	A major hazard installation risk assessment will be conducted by an approved inspection authority for the pipeline and fuel storage depot, in accordance with the Major Hazard Installation regulations of the OHS Act. Various design and management measures will be implemented to ensure that the risk of leakage from damage to the pipeline is minimized as far as possible
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			distributed to IAPs. The Scoping Report will be available at venues listed in the Executive Summary. Proper communication with all IAPs will be maintained throughout the EIA process
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Involvement of Additional parties			
L (Louw) Potgieter : Ogies Business Forum	Fax received 1 August 2007	Role-players: Principal Piet Bensch Ogies School c: 082 825 5069	Matrix have been forwarded these contact details for followup and inclusion as IAPs
L (Lillian Busie) Sehlabela : Bhacaza Investments	Received by post	Ulusha Projects - Elliot Nick c: 083415 0835, Interactive Trading 211 (Pty) Ltd - Joseph Khoza c: 076 240 4474	
DHP (Dawie) Boers : Aida Estate Agents	Fax received 2 July 2007	EEPOG Eastern Escarpment Protection Organization Dr J Pretorius c: 083 986 4400	
BOT (Barend) van Rensburg : FR Boerdery (landowner)	Received by post	Role-players: Agri Nelspruit t: 013 752 6741	
VG (Victor Grant) Dick : Westergloor Farm (landowner)	Received by post	Role-players: EXXARO at Glisa Colliery Belfast	
OTHER DEVELOPMENTS			
P (Peter) Pyke, Department of Water Affairs & Forestry	Fax received 19 July 2007	Crossing of existing and future water infrastructure.	The project team are in contact with Niel van Wyk regarding dams planned in the study area
BSA (Wendy) Mey : BHPBilliton Business Development Africa, Energy Coal	E-Mail received 11 July 2007	Currently working on a project that involves the construction of water pipelines along the proposed routes between Middelburg and Witbank.	Your comment is noted and has been forwarded to the project team members carrying out engineering design and servitude negotiations for the proposed and route.alternatives
S (Steven) Bloy : BHP Billiton	E-Mail received 10 July 2007	It appears that the infrastructure might impact on Optimum/Eikeboom and Middelburg Mines Services.	
C (Colin) Haupt : COBA Consulting Engineers & Project Managers	E-Mail received 10 May 2007	Several projects planned for BHP Energy Coal SA in Kendal area	
Kobus (KM) Prinsloo : Africon Engineering International (Pty) Ltd	E-Mail received 16 July 2007	Africon has been appointed by Eskom to do the feasibility and basic engineering design of a proposed new pipeline between Rietfontein Weir and Matla and Duvha Power Stations. A layout of the proposed new pipeline attached. Plse forward more detailed information on the proposed route of the new pipeline to ensure that we take cognizance of it in our further planning. Replied to email on 18.07.07 confirm receipt of layout of the Eskom/DWAF pipeline. Forward electronic BID. Received email from Kobus regarding another pipeline from Kendal	

		Power Station to the proposed new power station near Bronkhorstspuit (Bravo). The proposed pipeline will almost certainly cross the proposed new Eskom pipeline between Kendal and Bravo.	
L (Louw) Potgieter : Ogies Business Forum	Fax received 1 August 2007	The problem is that the infrastructure of the town Ogies will not be able to handle the traffic - Currently 200 in 24 hrs trucks. The provincial government and the municipality no maintenance to roads R555 to Kendal & Witbank. Interest: The family owns property in Ogies.	

Table 6: DETAILED WRITTEN AND ELECTRONIC ISSUES AND RESPONSES OTHER THAN THOSE FROM OPEN DAYS¹²

Interested and affected party	Issue	Response by EAP and Petroline
ECONOMIC IMPACTS		
Loss of agricultural / economic potential		
Giles Mulholland, (4site Planning cc, concerned citizen & property owner) Mulholland	Ensuring that the negative economic consequences of the construction and existence of the pipeline are minimized	A socio-economic impact assessment will be carried out which will identify and recommend avoidance and mitigation measures
	Minimizing the sterilization of land for productive economic use within specified distances of the pipeline must be considered wherever practical. Given the arbitrary and often inexplicable manner in which land subdivision has been permitted in the past in Mpumalanga, sterilization of even a small area could effectively sterilize a whole farm portion. An example of this would be Rietvly 295 JT (<i>Schoemanskloof</i>), where subdivisions have created narrow strips of land, each with a small river frontage. Given topographical restraints, the location of the N4 road reserve, as well as the flood-line of the river, each portion only has a very small economically viable area remaining. It is quite probable that the pipeline will bisect these areas, thereby restricting any future economic development (i.e. eco-tourism, etc);	An approximately 6m wide servitude will be required. Certain categories of cultivation (not deep-rooting trees) will be able to continue in the servitude. The pipeline depth can be increased during construction in certain areas to allow for ploughing. The servitude agreement will specify what can be carried out. The socio-economic impact assessment to be carried out by specialists will consider issues including sterilization and bisection of land and will suggest avoidance and mitigation measures.
	The reliance on the economy of Mpumalanga on tourism, especially eco-tourism based upon the scenery and beauty of the landscape;	The socio-economic and visual impact specialists will assess impacts and suggest avoidance and mitigation measures.
	The hosting of matches at the new Mbombela Stadium in Nelspruit; That while hosting overseas visitors for the 2010 event will be beneficial	

¹ Electronic mail received from Giles Mulholland on 29 July 2007

² Letter received electronically from Rolf Kalwa (undated)

	in itself, the greatest economic benefits will be obtained from the impression given to visitors, who will then return in future to enjoy the scenery and other tourist attractions of the province;	
	The alignment of the pipeline to be adjacent, or close, to the main N4 road, along which a large portion of the overseas visitors can be expected to travel – and hence highly visible;	
	The scope and nature of the pipeline construction, which can be expected to create a disturbed strip of land which will take time to revegetate	
	The timing of the construction phase of the pipeline that will permit – at best – less than a year from the start of rehabilitation to the arrival of overseas visitors for the 2010 event;	Your comments are noted and will be taken account of in the environmental management plan (EMP).
	The possibility that construction may be delayed, thereby allowing no time at all for rehabilitation – or that construction will still be underway;	
	The near certainty that the visitors to the 2010 event will see – and thereby gain the impression – that the whole of the scenic portion of their route from Gauteng to Nelspruit has been scarred by the construction of the pipeline;	
	That the above scenario will have serious long-term economic consequences for the economy of Mpumalanga unless addressed in an appropriate manner.	The socio-economic assessment and visual impact assessments will identify issues and make recommendations to be included in the EMP.
Ralf Kalwa (Ecologist) Rhengu Environmental Services, developing a management plan for the Crocodile River Mountain Conservancy CRMC	There will be impacts on the wilderness ecotourism potential of the CRMC area if the route proceeds through this land	Alternative routes are being investigated
Ralf Kalwa (Ecologist) Rhengu Environmental Services, developing a management plan for the Crocodile River Mountain Conservancy CRMC	The conservancy is part and parcel of the Lubombo Transfronteir Conservation and Resource Area initiative and has special reference to the Ezulwini Valley Route.	The socio-economic impact assessment will identify impacts and make recommendations
Local economic benefits		
Giles Mulholland, (4site Planning cc, concerned citizen & property owner)	Many positive economic possibilities for the areas through which the pipeline is to pass	Comment noted
	Ensuring that the positive economic benefits of the construction and existence of the pipeline are maximized;	This will be addressed in the socioeconomic assessment and recommendations will be integrated to the EMP.
	Encouraging, through appropriate means, the development of beneficiation and other industries that can benefit from the off-takes at Nelspruit and Kendal. This might include entering into partnerships with local entrepreneurs to purchase additional land adjacent to these sites to establish additional industrial / processing facilities, as well as services that will be new to the sites;	This will be addressed in the socioeconomic assessment and recommendations will be integrated to the EMP.
BIOPHYSICAL IMPACTS		

Fauna and flora		
Giles Mulholland, (4site Planning cc, concerned citizen & property owner)	I hope that the biodiversity and environmental importance of the area are not put at risk by the route selected	Ecological and visual impact issues raised will be considered for routing of the pipeline and will be incorporated into the environmental impact assessment EIA and EMP
	Minimizing any disturbance (or potential disturbance) to any terrestrial polygon or area identified as “irreplaceable”, “highly significant” and “important and necessary” in the Mpumalanga Biodiversity Conservation Plan (MBCP);	Mpumalanga Biodiversity Conservation Plan (MBCP) data has been supplied by the MTPA and will be incorporated in the ecological assessment and recommendations.
	Ensuring that the pipeline route avoids – to the greatest extent possible – alignment with any of the terrestrial or aquatic corridors proposed in the MBCP;	Mpumalanga Biodiversity Conservation Plan (MBCP) data has been supplied by the MTPA and will be incorporated in the ecological assessment and recommendations.
Ralf Kalwa (Ecologist) Rhengu Environmental Services, developing a management plan for the Crocodile River Mountain Conservancy CRMC	The conservancy is a 30 0000 hectare area with pristine veld, including a disease free herd of buffalo has been established, and plans to introduce sable antelope and white rhino and (<i>numerous other game species</i>). The area is a biodiversity hotspot and this was recently confirmed during our field work analysis. Rare plant species were found to occur in this conservancy. The Mpumalanga Parks Board has supported the conservancy initiative. The conservancy is also part and parcel of the Lubombo Transfronteir Conservation and Resource Area initiative and has special reference to the Ezulwini Valley Route. Low woody density, flat habitat (low cover, good open veld) will be reduced even further. This is already a scarce resource and we cannot afford to lose more of this habitat type. This is particularly important white rhino- and sable antelope habitat. The impact on rare and endangered plants cannot be ignored. E.g. <i>Protea curvata</i> .	The ecology specialist report will investigate impacts and provide recommendations for the EMP. Alternative routes are being investigated
Water and soil management		
Giles Mulholland, (4site Planning cc, concerned citizen & property owner)	Minimizing any risk of disrupting the natural Crocodile / Ngwenya riverine ecosystems, which are already stressed by existing pollution problems (including the Ngodwana area);	The surface hydrological assessment will take account of these issues and provide recommendations to be incorporated into the EMP.
	Minimizing any disturbance (or potential disturbance) to any aquatic polygon or area identified as “irreplaceable”, “highly significant” and “important and necessary” in the MBCP;	The surface hydrological and ecological assessments will take account of these issues and provide recommendations to be incorporated into the EMP.
	Minimizing any risk of polluting the Crocodile / Ngwenya river, on which most households rely for their supply of potable or agricultural water;	The surface hydrological assessment will take account of these issues and provide recommendations to be incorporated into the EMP. Various design and management measures will

		be implemented to ensure that the risk of leakage from damage to the pipeline is minimized as far as possible
	Minimizing any risk of polluting the groundwater systems anywhere;	The environmental risk assessment will identify potential impacts and make recommendations Various design and management measures will be implemented to ensure that the risk of leakage from damage to the pipeline is minimized as far as possible
	Minimizing the sterilization of land for productive economic use within specified distances of the pipeline must be considered wherever practical. Given the arbitrary and often inexplicable manner in which land subdivision has been permitted in the past in Mpumalanga, sterilization of even a small area could effectively sterilize a whole farm portion. An example of this would be Rietvly 295 JT, where subdivisions have created narrow strips of land, each with a small river frontage. Given topographical restraints, the location of the N4 road reserve, as well as the flood-line of the river, each portion only has a very small economically viable area remaining. It is quite probable that the pipeline will bisect these areas, thereby restricting any future economic development (i.e. eco-tourism, etc);	The surface hydrological assessment and socio-economic assessment will take account of these issues and provide recommendations to be incorporated into the EMP.
SOCIAL IMPACTS		
Impact on communities	Ensuring that all affected stakeholders are properly consulted – including the workers living on farms who do not have the resources to take a whole day off work in order to visit the public processes held in towns up to 100 kilometres away – especially in areas where no public transport exists	The social impact assessment will . The public participation process is implementing accepted practices for ensuring inclusion. The social impact assessment will focus on gathering inputs from disadvantaged groups as far as is practical and feasible.
PROCESS	.	
Environmental management : Construction phase		
Giles Mulholland, (4site Planning cc, concerned citizen & property owner)	Ensuring that any disturbance of the natural ecosystems or biodiversity created during the construction phase is minimised, and fully rehabilitated thereafter	Recommendations will be made in the EMP
	Ensuring that the likelihood of any disturbance of the natural ecosystems or biodiversity caused after the construction phase is minimized	
Environmental management : Operational phase		
Giles Mulholland, (4site Planning cc, concerned citizen & property owner)	Ensuring that there is sufficient capacity (in terms of suitably qualified, experienced and trained personnel, equipment and supplies) available and able to respond within appropriate timeframes to control any event that may	Recommendations will be made in the EMP. A major hazard installation risk assessment will be conducted by an approved inspection

	threaten any water supply or river as a result of the existence of the pipeline, whether it is the primary agent of disruption or not	authority for the pipeline and fuel storage depot, in accordance with the Major Hazard Installation regulations of the OHS Act.
	ensuring that there is sufficient capacity (in terms of suitably qualified, experienced and trained personnel, equipment and supplies) available and able to respond within appropriate timeframes to control any event that may threaten the environment as a result of the existence of the pipeline, whether it is the primary agent of disruption or not	Recommendations will be made in the EMP
	ensuring that there is sufficient capacity (in terms of suitably qualified, experienced and trained personnel, equipment and supplies) available and able to respond within appropriate timeframes to rehabilitate any ecosystem or habitat that may have been damaged as a result of the existence of the pipeline, whether it is the primary agent of disruption or not	
	ensuring that all of the responsible authorities and agencies which may be affected by the existence of the pipeline are suitably informed and trained in all aspects relating to monitoring, evaluating and managing any event that may occur as a result of the existence of the pipeline, whether it is the primary agent or not.	
	ensuring that there is sufficient capacity (in terms of suitably qualified, experienced and trained personnel, equipment and supplies) available and able to respond within appropriate timeframes to rehabilitate any water supply or river that have been damaged as a result of the existence of the pipeline, whether it is the primary agent of disruption or not;	
	ensuring that all of the responsible authorities and agencies which may be affected by the existence of the pipeline are suitably informed and trained in all aspects relating to monitoring, evaluating and managing any event that may occur as a result of the existence of the pipeline, whether it is the primary agent or not.	
Adequate consultation	Ensuring that all affected stakeholders are properly consulted – including the workers living on farms who do not have the resources to take a whole day off work in order to visit the public processes held in towns up to 100 kilometres away – especially in areas where no public transport exists	The social impact assessment will . The public participation process is implementing accepted practices for ensuring inclusion. The social impact assessment will focus on gathering inputs from disadvantaged groups as far as is practical and feasible.
Involvement of other parties		
Ralf Kalwa (Ecologist) Rhengu Environmental Services, developing a management plan for the Crocodile River Mountain Conservancy CRMC	Mpumalanga Parks Board has supported the conservancy initiative from the onset and is extremely supportive of the formalisation of the management plan to ensure conservation of the area and its components. You are referred to Mr. Louis Loock from MPB for affirmation of this approach	Details have been passed on to Matrix to ensure that consultation has taken place
Giles Mulholland, (4site Planning cc,	Mpumalanga Tourism & Parks Agency (Mr Charles Ngobeni, 013-759-5300;	Details have been passed on to Matrix to

concerned citizen & property owner)	national government departments responsible for transport (DOT), environment (DEAT), water (DWAF), etc as well as agencies such as SANRAL;	ensure that consultation has taken place
	provincial government departments responsible for transport (DRT), environment (DALA), water (DALA), etc, as well as agencies such as MTPA;	
	district municipalities and local municipalities through which the pipeline would run, and their agencies.	
	Department of Water Affairs & Forestry, Nelspruit office (Mr Werner Comrie, 013-759-7313);	
	Inkomati Water Management Authority (Mr Sizile Ndlovu, 013-755-2559);	
	National government departments responsible for water (DWAF);	
	Provincial government departments responsible for water (DALA),	
	District municipalities and local municipalities through which the pipeline would run, and their agencies such as Silulumanzi in Mbombela.	
	Department of Water Affairs & Forestry, Nelspruit office (Mr Werner Comrie, 013-759-7313);	
	Mpumalanga Economic Growth Agency (Mr Elvis Rabohale, 013-752-2440); and	
	Mpumalanga Department of Economic Development & Planning (Ms Simangele Sekgobela, 013-766-4571)	
	Mpumalanga Tourism & Parks Agency (Mr Abe Sibiyi, 013-759-5300); and Office of the Premier – 2010 Office (Mr Desmond Golding, 013-766-2392)	
OTHER ISSUES		
Infrastructure		
Ralf Kalwa (Ecologist) Rhengu Environmental Services, developing a management plan for the Crocodile River Mountain Conservancy CRMC	Take note of the construction of the proposed dam in the Kaap River. From a recreational perspective this would contribute to the economic equation of the conservancy.	The project team is in contact with DWAF about planned dams in the area

Table 7: AUTHORITIES MEETING HELD AT WITBANK ON 11 JULY 2007 ISSUES AND RESPONSE LIST

Person and Organization	Issue	Response by Project Team
SOCIAL IMPACTS		
Silo Kheva, Department of Water Affairs & Forestry	Will there be alternatives or resettlement of communities on the pipeline route near Komatipoort?	This will only be considered after the final route has been identified. The Land Claims Commissioner will be involved

		in the process.
CONSTRUCTION AND OPERATION		
Tolmay Hopkins, Department of Water Affairs & Forestry	What is the timeframe for the construction of the pipeline as we are looking at 440 km of pipeline to be constructed?	We are looking at 18 months for the construction phase of the pipeline.
Tolmay Hopkins, Department of Water Affairs & Forestry	Will the pipeline be underground the whole route?	Some places the pipeline may be above ground depending on the land utilization and surface Conditions. With deep flow rivers the intention is to use directional drilling underneath the riverbed to avoid disturbance of the river beds or banks. This is a very expensive process and cannot be done with all the rivers as the project viability will then be killed. For deep flow rivers directional drilling will be done.
Silo Kheva, Department of Water Affairs & Forestry	Will it be a one fuel carrier pipeline transporting both fuel and diesel?	Yes, it will be one pipeline transporting 4 grades of fuel.
Alfonso Niemand, Nature & Business Alliance Africa	Could you please explain the trench of the pipeline?	The installation of the pipeline underground will be 1 to 1.5 metres underground. The working area will be 25 meters and the final corridor will be 6 meters wide after clearing of the pipeline working area.
PROCESS		
Mozambican authorities		
Tolmay Hopkins, Department of Water Affairs & Forestry	Have all the required concessions and authorizations for the project been obtained on the Mozambique side?	Not yet. The environmental license on the Mozambique side is still outstanding.
Water Use License		
Goodness Bopape, Department of Water Affairs & Forestry	If you look at the construction time there is not enough time to allocate water use licenses.	Noted.
Tolmay Hopkins, Department of Water Affairs & Forestry	Does the submission of water use licenses run parallel with the EIA process or only later?	Yes, it will run parallel and the final environmental impact assessment report submission to the authorities is planned for December 2007.
Busi Mahlangu, Department of Water Affairs & Forestry	Do the timeframes take the obtaining of water use licenses into account?	Now that we know who are the relevant officials at DWAF we will start to liaise with you and submit information to you.

Table 7: Issues raised by authorities other than in the Public Open Days and Authorities Meeting

AUTHORITY	FORM OF COMMUNICAT	ISSUES RAISED	RESPONSE
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	ION		
REGULATORY AUTHORITIES			
Department of Environmental Affairs and Tourism (DEAT)			
	Application submitted	DEAT will be the government department providing the Environmental Authorisation	Project reports will be submitted to DEAT for their approval
		SRK should proceed with scoping process on behalf of Petroline, and must comply with Regulations 29 and 30 of the EIA regulations	SRK has proceeded with scoping and has endeavoured to comply with the regulations
Department of Water Affairs and Forestry (DWAF)			
N.J. (Niel) van Wyk Chief Engineer: National Water Resource Planning (East)	E-mail sent 6 August 2007	<p>The route traverses three possible dam sites,</p> <ul style="list-style-type: none"> • Moamba Major (on the Incomati River in Mozambique, just downstream of the RSA border), • the Mountain View Dam site (on the Kaap River 13 Km upstream of the confluence with the Crocodile River), and • the Montrose Dam site at the confluence of the Elands and Crocodile Rivers. 	The project team have been informed and a meeting is being set up.
Tolmay Hopkins SEA/SFRA - Water Resource Management	E-mail sent 03 August 2007	<p><u>Water Use License (WUL) Application process:</u> <u>Section 21(c) and (i) activities:</u></p> <ol style="list-style-type: none"> 1. Identify all crossings of watercourses (rivers, wetlands etc) 2. Determine the type of wetland* / river 3. For each type of river/wetland, a standardized method could be developed. This standardized method should however be adopted for each specific crossing (in terms of site specific characteristics such as slope, differences in soil types etc). 4. Description of construction method 5. Proposed mitigation measures 6. Proposed rehabilitation 7. Monitoring of each crossing to determine success of rehabilitation, as well as water quality 8. co-ordinates where pipeline will cross watercourse (entry and exist point for wetlands) <p>*For wetlands, we need the following:</p> <ul style="list-style-type: none"> • Delineation of wetland • Name of wetland (if available) • State of wetland - pristine / impacted (including description of impact) • Type of wetland (valley bottom, pan etc) • Any sensitive species associated with the wetland • Potential impact – e.g. a photograph of wetland showing position of pipeline and flow direction of water and pipeline. 	A Specialist has been appointed by Petroline to carry out the WULA process and will address requirements. This will be done in parallel with the EIA process.

		<p>In terms of mitigation in wetlands, the following guidelines can be offered:</p> <ul style="list-style-type: none"> • Pipeline should be perpendicular to the flow of the wetland • Vegetation should be removed in a way that will allow it to be put back in the same way • Minimal disturbance to soil composition <p>A big concern is the erodibility potential of wetlands.</p> <p>There are no generic guidelines with regard to whether directional drilling will be seen as altering of the beds/banks/characteristics. It will depend on the depth and the site specific characteristics of the watercourse.</p> <p><u>Other water uses:</u> The pipeline will likely be tested and/or cleaned after construction by pumping water through it. Abstraction of water for this and the disposal of the water containing waste have to be authorized (if required). These activities should therefore be included in the application if relevant.</p> <p><u>Reserve issues:</u> The information regarding the position of the crossings and the quaternary catchments in which it is located, will be provided to the RDM Office of DWAF. Desktop reserves will be done for those quaternary catchments where there are no previous reserves or where the previous reserves do not cover s21(c) and (i) water uses.</p> <p>Please note that these are guidelines on critical information to be included in the WULA and the WULA should therefore not be limited to the above.</p>	
Mpumalanga Tourism and Parks Agency			
	<p>Meeting with Hannes Botha Andre Hoffman Prof George Bredenkamp and Dr Theo Mostert of EcoAgent CC 20 July 2007</p>	<p>The pipeline must move north around the existing Mahushe Shongwe Nature Reserve (south of Hectorspoort)</p> <p>In the Crocodile Mountain Conservancy the pipeline must follow existing roads and routes which cut through the veld should be avoided.</p> <p>The Green Route (Route A) (<i>now Route D</i>) through the CRMC is preferable to the route via Barberton due to the existing Barberton Nature Reserve and Barberton Mountainlands Nature Reserve and proposed expansion.</p> <p>No wetlands, rivers and pans may be crossed.</p> <p>Where possible existing roads and Eskom servitudes must be followed</p>	<p>These comments are noted and will be dealt with in the Ecological Specialist Report for the environmental impact assessment and in the routing process and ongoing consultations with MTPA.</p>

		<p>All irreplaceable areas must be avoided and a 'walkthrough' of all sensitive areas must be done.</p> <p>In the Schoemanskloof area Route B is preferable.</p> <p>A walkthrough must be done in November/December in the highveld grasslands in the Belfast/ Machadadorp area.</p> <p>Route A is preferable in the Witbank/Middleburg/ Wonderfontein area.</p> <p>The Masibikela vleiland must be avoided (just west of the Mozambique border and north of the Swaziland border)</p> <p>All nature reserves must be avoided</p>	
Other Authorities			
Emalahleni Local Municipality	Meeting with VGI 4 July 2007		
Jorine Bothma : Senior Town Planner		Portion of the route between Kendal and the Ogies – Witbank Road: the proposed route for the pipeline is on the North side of the Highway N12 and could possible impact the proposed extensions of Pholo Park Township. The proposed route for the pipeline will not impact on the future developments of Pholo Park.	Comments noted by the project team
Jorine Bothma : Senior Town Planner		Portion of the proposed route between the Ogies – Witbank Road and the Witbank – Bethal Road – potential impact on township developments The route of the proposed pipeline will be on the South side of the Highway and will follow the Highway and existing power lines. The pipeline will travel across mining properties and will have no impact on future town developments.	Comments noted by the project team
Jorine Bothma : Senior Town Planner		<p>Possible impacts on township development on portion of the proposed route between the Witbank – Bethal Road and the Van Dyk's Drift Road: The two possible routes:</p> <p>(a) From the Witbank – Bethal Road the first possible route will be on the East edge of the Witbank town and on the West side of the Witbank Dam. From a professional Town Planner's view this route will not be supported due to the impact that a fuel pipeline may have, crossing residential areas.</p> <p>(b) The preferred proposed route for the pipeline between the Witbank – Bethal Road and the Van Dyk's Drift Road is to follow the link road from the Witbank – Bethal Road past the Duvha Power Station to meet the Van Dyk's Drift Road. There is no future town developments along this portion of the proposed route for the pipeline. From a professional Town Planner's view this route will be supported due to the fact that there is no impact on future town developments. Cognisance of the informal small</p>	Comments noted by the project team

	settlement should be taken.	
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Table 8: Issues raised by the Nkomazi Traditional Authority at a focus group meeting held on 9 July 2007

INTERESTED AND AFFECTED PARTY	ISSUES (Not linked to specific individuals)	RESPONSE
Nine members of the Nkomazi Traditional Authority representing three traditional councils	The Nkomazi TAR welcomes development through the area for the benefit of South Africa. It is therefore recommended that alternative A be accepted and constructed as proposed.	Mr. Mahlalela explained that it is appreciated that the Nkomazi TAR accepts the project through their area. It is however, a procedure that several alternatives are considered. The preferred route will also be selected on basis of inputs from different I&APs, including the technical specialists. The preferred route will be investigated over two stages; namely the Scoping Phase and the EIA Phase.
	Is route A through the area the shortest route? How was this route selected?	Yes, route A is the shortest. The route was selected based on environmental considerations, constructability and existing servitude corridors such as roads, railway lines, power lines and other pipelines.
	How many study teams are involved in the consultation process? Who will consult the emerging black farmers? The traditional authority cannot agree on behalf of these farmers that the project goes through their land, which they purchased for commercial farming.	There are 15 study teams involved. Matrix PR, PSCG Servitudes and MasterQ consult emerging black farmers. Affected emerging black farmers are visited individually.
	The Nkomazi TAR proposes that a steering committee is established to represent all affected parties in the area.	The proposal is appreciated. It will be passed on to Petroline for consideration. The independent EIA team agrees to have a focus group meeting with representatives of Nkomazi TAR.
	Mr. Mbongeni Shongwe as the chairperson of the Nkomazi TAR will be the contact person if there are arrangements that need to be made. It is important that all traditional leaders are represented to properly consult on this project. Both political and traditional councilors must also be involved. When the PIP Team is ready to come and give presentation on the project the Traditional Leaders with the help of Mr. Shongwe will convene a meeting	The PIP Team will liaise with Petroline and project leader to organize all relevant stakeholders to attend the meeting as requested. Consultation process continues until the final Environmental Impact Report is submitted. It is recommended that a meeting with traditional authorities be held during the Scoping Report review period.
	Are the proponents and planners of the project aware of the existing SASOL gas pipeline? If yes why is this new proposed pipeline not constructed parallel to the existing line?	Petroline is aware of the Sasol gas pipeline. For the largest part of the Petroline pipeline route, the two pipelines do not follow the same direction. The two pipelines have different start points and end points. From a community safety perspective, the potential risks of installing a liquid fuels pipeline next to a gas pipeline negate the potential benefits of doing so.
	For information dissemination the PIP Team is encouraged to use the radio	Request noted. The suggested information

	(Ligwalagwala FM) and Nkomazi Voice and Mpumalanga News newspaper	dissemination tools will be considered for future use.
	Projects like the proposed Petroline project tend to brew conflicts between villages if job opportunities are not shared and distributed equitably between communities from different villages. Petroline is requested to present an employment strategy that will clearly indicate how many jobs are going to be created and how each village is going to benefit. The traditional councils can help to control employment.	When temporary jobs are considered during construction, the appointed contractor who will carry out the construction will liaise with Nkomazi TAR.

Table 9: Other discussions and correspondence

ROLEPLAYERS	GENERAL AGREEMENTS
Impacto , EIA consultants for the Mozambican component Project team with South African Project Team on 25 July 2007	<ul style="list-style-type: none"> Both project teams should deal with the no-man's land (land between the South African and Mozambican border). It is proposed that aerial photography is used as the primary information source as access will be difficult for security reasons. There will be a need for coordination between the two project teams.
South African National Road Agency Ltd (SANRAL) and VGI on 30 July 2007.	<ul style="list-style-type: none"> In general the pipeline can be placed 2 metres outside the road reserve boundary All road crossings must be jacked (with a sleeve) for the width of the road prism plus 3 metres on both sides The depth of the pipe will not be less than 1 meter below the surface of the road or natural ground level Applications will be made for all activities within 80 meters of the road reserve The applications must be submitted to SANRAL, however in the case of the N4, simultaneously copied to TRAC (Mr Grant Stock). Application fees will be payable to SANRAL. All manholes must be outside the road reserve. Valves will be installed as per the industry norm and not necessarily at every crossing. TRAC will provide coordinates for the road reserve of the N4.