

COMMENTS AND RESPONSES REPORT: AIR PRODUCTS PROPOSED ACETYLENE GAS PRODUCTION FACILITY, DALESIDE

Name	Organisation	Correspondence Type	Date Received	Comment	Response
COMMENTS RECEIVED DURING THE INITIAL PROJECT NOTIFICATION (November 2013)					
David Malindi	Multiple Pro-Technology Employee	Verbal correspondence	28/11/2013	How many jobs will be created by the project?	The establishment of the proposed acetylene gas production facility is expected to result in approximately 10 temporary jobs during construction and 20 permanent jobs during operation. During operation, jobs will be available in the form of plant operators, security and cleaners. No employees will be housed on the proposed site during construction or operation.
Mamotseki Tiu	Multiple Pro-Technology Employee	Verbal correspondence	28/11/2013	What types of jobs will be created and will these be permanent?	The establishment of the proposed acetylene gas production facility is expected to result in approximately 10 temporary jobs during construction and 20 permanent jobs during operation. During operation, jobs will be available in the form of plant operators, security and cleaners. No employees will be housed on the proposed site during construction or operation.
Piet Coetzee	Cue's Pool Club	Verbal correspondence	28/11/2013	Concerned about the presence of a gas plant in the area especially if and when an explosion occurs.	As part of the Environmental Impact Assessment (EIA) process, ERM will be undertaking a Major Hazardous Installation assessment to identify the associated hazards of the proposed facility and to assess the potential risks. The objective of this proposed development is to reduce the potential off-site risks to surrounding land-users.
Neville Holman	Petrochem Instrumentation Electrical and Engineering c.c	Verbal correspondence	28/11/2013	Have no objections to the project as its likely to attract other businesses to the area.	Comment Noted.
Coen van der Merwe	Earthman	e-mail	29/11/2013	The stakeholder requested more information regarding the project.	Further information regarding the project will be available during the release of the Draft Scoping Report during which there will be a public commenting period and an open house/public meeting.
Coen van der Merwe	Earthman	e-mail	29/11/2013	When will the public meetings be held?	Public meetings are set to take place at the end of February 2014. ERM communicated the date and time of the public meeting to all registered stakeholders (including yourself).
Jennifer Zeiss		e-mail	04/12/2013	Please send me the same notification in	Notice in Afrikaans has been sent.

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				Afrikaans, so we can notify the residents in Daleside.	
Sandra Hansen	Resident	e-mail	04/12/2013	The Hansen family at 1090 / 13 Regatta road, Henley on Klip objects to the proposed new plant.	Comment Noted.
JP van der Merwe	Resident	e-mail	04/12/2013	Request to be register as an I&AP for the project.	Stakeholder has been registered.
JP van der Merwe	Resident	e-mail	04/12/2013	What emissions will be released from the plant into the air?	Acetylene gas is likely to only be released during an emergency situation/incident. There would however be minor quantities of this gas released from the storage of calcium carbide, which is used to produce Acetylene Gas as well as from the filling of gas cylinders. Dust is also likely due to the movement of delivery vehicles to and from the site. To ensure environmental protection and safety, embedded controls (design measures) will be considered to reduce these air emissions (eg. Generator recycle system) . As part of this EIA process, an Air Quality Impact Assessment is currently underway to quantify and assess the potential emissions of gases/dust that may occur as a result of the proposed facility. The results of the Air Quality Impact Assessment will be made available during the EIA phase of the project.
JP van der Merwe	Resident	e-mail	04/12/2013	The area is already suffering from large quantities of dust from the mine and sand works. Furthermore, the rubber pyronegis plant is also another source of air pollution in area. What impact will an acetylene plant have on the air quality of the area?	As part of this EIA process, an Air Quality Impact Assessment is currently underway to quantify and assess the potential emissions of gases/dust that may occur as a result of the proposed facility. In addition, air quality modelling will be undertaken to understand the existing and cumulative impact on the study area. The results of the Air Quality Impact Assessment will be made available during the EIA phase of the project.
JP van der Merwe	Resident	e-mail	04/12/2013	The stakeholder is concerned about fires, leaks and potential for explosions.	ERM is currently undertaking a Major Hazardous Installation (MHI) assessment to determine the risks of the proposed facility to the surrounding land-users. The proposed development site and layout has been selected to

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					reduce the potential off-site risks to surrounding land-users. The results of the Major Hazardous Installation Assessment will be made available during the EIA phase of the project.
JP van der Merwe	Resident	e-mail	04/12/2013	This area of Daleside is part of the PWV Airshed Area. How can the local people allow more plants to be establish here which will result in more air pollution?	Air Products will be applying to the Sedibeng District Municipality for an Air Emissions Licence (AEL) which will consider the Vaal Triangle Air-Shed Priority Area Air Quality Management Plan (GNR. 613 of 2009). The Air Emissions Licence Application will be made available during the EIA phase of the project.
JP van der Merwe	Resident	e-mail	04/12/2013	The stakeholder raised concerns regarding cumulative impacts. How much air pollution will be added by the project to an area already impacted?	Cumulative impacts will be addressed during the EIA phase of the project. The cumulative impact on air quality is considered to be of importance, and will be addressed as part of an Air Quality Impact Assessment which will include air quality modelling.
Elizabeth Williams	QA Officer, Frankwen Forge	e-mail	04/12/2013	The stakeholder raised an objection to the proposed project. Objection is based on concerns for the environment, the health of the local people and property values. This will be especially so, due to cumulative impacts of multiple industries being proposed in the area, for instance, the Glen Douglas Mine is already planning to build a coal burning furnace to extrude iron from shale on the cnr of Bokamakerie and Adelaar Drive in Daleside.	As part of the EIA, an Air Quality Impact Assessment is being undertaken to quantify the emissions of gas and to assess the associated impacts. Air quality modelling will be undertaken to assess the air emissions impact on the local area.
Cllr. Rob P Jones	Midvaal Municipality Ward Councillor	e-mail	04/12/2013	Ensure that the Cllr for the area is notified of when the public meeting will take place.	All registered stakeholders (including yourself) will be notified of the public meeting.
Itumeleng Masiteng	SAHRA	e-mail	05/12/2013	A heritage impact assessment needs to be undertaken and form part of the EIA.	A heritage statement has been provided to SAHRA subsequent to receiving SAHRAs comments. ERM will await SAHRAs comments on the Heritage Statement, prior to proceeding with any assessments.
Itumeleng	SAHRA	e-mail	05/12/2013	If graves of 60 years or older are found in	Comment Noted. There have been no graves identified on

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Masiteng				the project area, they will need to be protected as per instructions laid out in the NHR Act of 1999.	site during the field surveys undertaken.
Trevor Kirsten	Unknown	e-mail	05/12/2013	The stakeholder asked to be registered as an I&AP and to be provided with further information as well as notifications during the EIA process.	The stakeholder has been registered. Further information regarding the project will be available during the release of the Draft Scoping Report during which there will be a public commenting period and an open house/public meeting.
Lesley Scholtz	Midvaal Municipality Enviro Health	e-mail	06/12/2013	A site visit must be conducted with the various stakeholders, i.e., Midvaal LM, Provincial, National Departments, and other organisations involved.	A meeting and site visit was held on 12 February 2014 (Wednesday), all key authorities were invited to this meeting, including the Midvaal LM, Sedibeng DM, GDARD, DWA, SAHRA and the Ward Councillor. Minutes of this meeting has been appended to the FSR as Annex E8.
Lesley Scholtz	Midvaal Municipality Enviro Health	e-mail	06/12/2013	An EIA, Environmental Management Plan, and Environmental Policies must be undertaken or developed.	An EIA and EMP will be developed as part of this process. It should also be noted that Air Products is certified for quality, environmental and health and safety management systems (ie ISO 9000, ISO 14001 and ISO 22000) and is also rated 5 Star by the National Occupational Safety Association (NOSA). Air Products therefore have various policies in place for the construction, operation and maintenance of Acetylene Gas Manufacturing Facilities, including those related to emergency planning.
Lesley Scholtz	Midvaal Municipality Enviro Health	e-mail	06/12/2013	The following legislation must be adhered to: National Health Act 61 of 2003, and National Environmental Management Act 107 of 1998.	Air Products will adhere to all relevant national, provincial and local legislation.
Lesley Scholtz	Midvaal Municipality Enviro Health	e-mail	06/12/2013	The Proponent needs to obtain an Air Emissions Licence in terms of the NEM: Air Quality Act 39 of 2004.	Air Products is in the process of applying for an AEL to the Sedibeng District Municipality.
Lesley Scholtz	Midvaal Municipality Enviro Health	e-mail	06/12/2013	Occupational Health and Safety Acts 85 of 1993 will provide guidance in issues related to the provision of health and safe working environment.	Air Products will adhere to all relevant national, provincial and local legislation.

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Albert Spencer	Unknown	e-mail	06/12/2013	Request to be registered as an I&AP for the project.	Stakeholder has been registered.
Lisa McGuigan	Unknown	e-mail	06/12/2013	The stakeholder objects to the construction and operation of a gas plant in the area.	Comment Noted.
Seamus McGuigan	Unknown	e-mail	06/12/2013	Objection to gas production facility.	Comment Noted.
COMMENTS RECEIVED DURING THE DRAFT SCOPING REVIEW PERIOD (January - February 2013)					
Jennifer Zeiss	Registered I&AP	e-mail	17/01/2014	The local newspaper The Ster very seldom gets delivered to households in Daleside. Have you put up notices at the shops and library in English, Afrikaans, South Sotho, Zulu and any other relevant language. You cannot depend on the Ster to inform the people here. Please advise me, which route you have taken to notify the people here. I would be grateful to you.	Notices regarding the public meeting and availability of the Draft Scoping Report were placed at the Randvaal Public Library as well as at Cues Pool Pub. Furthermore, notices were provided via the Local Ward Councillor. Notices were placed in Afrikaans and English.
Sean Freeman	Unknown	e-mail	20/01/2014	Tuesday, 19th February as proposed date for open house and public meeting is incorrect. It is infact a Wednesday.	A second email was sent to all the registered I&APs to inform them of the change of date for the public meeting to Thursday, 20 February.
Andrew Salomon	SAHRA Heritage Officer: Archaeology	e-mail	19/02/2014	As there is apparently no evidence of any significant archeological material in this area, and considering that it is unlikely that construction activities will impact on fossils that may exist on the surface, the SAHRA Archaeology, Palaeontology and Meteorites Unit has no objection to the development and grants exemption from further heritage assessments, on condition that, if bedrock is to be affected by the proposed development, a palaeontological field assessment and protocol for finds must be conducted and submitted to	Condition as prescribed will be included in the Environmental Management Plan.

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				SAHRA for comments prior to any development.	
Jennifer Zeiss	Registered I&AP	e-mail	26/02/2014	Attached a letter regarding the new proposed kiln at the Glen Douglas Mine. The application for environmental authorisation was submitted last year and withdrawn, however the application will be re-submitted. Misunderstanding that the proposed Air Products facility is related to the Glen Douglas Mine proposed developments. Refer to Annex E5 for the letter.	Air Products application for Environmental Authorisation is not related to the proposed developments at the Glen Douglas Mine. We will however be taking this proposed project into consideration with regards to cumulative impacts.

COMMENTS RECEIVED DURING THE KEY AUTHORITIES MEETING (12 February 2013)

Councillor Rob Jones	Ward 5 Councillor	Verbal correspondence	12/02/2014	What happens to the ammonia from the process?	The ammonia and any other impurities from the gas will be dissolved into water, which will be recycled and re-used in the plant process.
				Will there be sirens for emergency situations and how loud will these be?	The plant will have sirens and alarm systems in place, these alarms will alert only on-site staff of potential emergencies.
				Will the employees at the existing Air Products facilities (which are planned to be closed down) be retrenched or is it planned for those employees to be re-located once this proposed facility is operational?	Approximately 90% of the workforce will be sourced locally. However, experienced individuals currently employed with Air Products will also be required to manage the operations as well as the construction of the proposed facility.
				What are the routes to be used for the delivery of calcium carbide to the proposed site? The Daleside road should be avoided due to the slope of the road. The Henley road should rather be used.	Air Products agree that the Henley route will be used, however a Traffic Study is being undertaken to assess the transport routes.
				Are the acetylene cylinders pressure tested? What other tests/inspections are undertaken on the cylinders?	Air Products cylinder management system is in line with the SANS 10019: Transportable pressure receptacles for compressed, dissolved and liquefied gases – Basic design, manufacture, use and maintenance. All relevant criteria of the South African Bureau Standards (SABS) are considered

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					and applied in existing processes and procedures.
				Please confirm that there will be no dust resulting from the transportation of lime off site, as the existing mining operations in the area do result in significant dust emissions.	Lime will be transported in the form of a putty (slightly moist). This will therefore not result in any dust emissions.
				How will the proposed facility utilise chemical/septic tank facilities for sewage?	Yes, these facilities will be utilised on site during the construction and operations phase.
				Would Air Products also consider capturing stormwater runoff from surrounding properties?	Yes, as it is planned for the facility to act as a major water catchment for this water to be used in the plant process so as to reduce the water requirement from municipal sources. Furthermore up to 90% of the water used in the process will be recycled and re0used in the plant process with minimal amounts being lost through the lime (concentrations required by contractor).
				Will there be fail safe features?	Yes, fail safe devices will be installed at all critical process points.
Eugene van der Merwe	Midvaal Local Municipality	Verbal correspondence	12/02/2014	How many people will be employed during the operational phase of the project?	It is estimated that approximately 20 people will be required to operate the proposed facility. However this is an estimate which will be confirmed during the detailed planning stage of the project.
				It should be noted that there is an existing issue with water supply and water pressure in the area in which the facility is proposed.	Air Products are aware of this issue and are therefore planning the collection and use of stormwater run-off for plant use. Water will be stored in two catchment pits and pumped from here at the required rate for use in the plant.
				What is the power requirement of the proposed facility?	It is anticipated that approximately less than 1MW will be required for Phase 1 and 2 of the project. Air Products will be undertaking an application to Eskom for this power requirement.
				What are the energy efficient mechanisms/considerations of the project?	There will be energy efficient electric motors used for the pump houses and the compressors. Air Products are also currently investigating the use of solar panels for the offices.
				Comment from GAUTRANS must be	The Draft Scoping Report was made available to this

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				obtained.	Department.
Michelle Coetzee	Midvaal Local Municipality	Verbal correspondence	12/02/2014	The proposed facility should be checked against the current land-use zoning (ie Industrial 3). The property may need to be zoned based on the gas being produced.	This will be considered during this planning stage.
				The two proposed properties must be consolidated into one property, as the development will span across both properties.	This will be considered during this planning stage.
COMMENTS RECEIVED DURING THE OPEN HOUSE EVENT (20 FEBRUARY 2014)					
Gerhard (Surname Not provided)	Resident	Verbal correspondence	20/02/2014	Concerned about the risk of potential fires/explosion. The facility should have the necessary measures on site to manage fires as the local fire department are not reliable.	Comment noted.
Willie de Kock	Pastor, FJC Ministries	Verbal correspondence	20/02/2014	Recognises the positive economic benefits of an international company in the area, particularly with regards to job creation.	Comment noted.
				The facility is a step towards the planned R59 corridor development.	Comment noted.
				Believes that Air Products understands the risks associated with the Site otherwise they would not be investing.	Comment noted.
				The stakeholder is the pastor of the local Daleside church and runs a feeding scheme that feeds the local community 5 days a week from produce donated by local farmers.	Comment noted.
Jennifer Zeiss	Resident	Verbal correspondence	20/02/2014	Misunderstanding relating to the proposed development of a kiln at the Glen Douglas dolomite mine and the proposed Air Products facility.	It should be noted that the proposed Air Products facility is not related to the proposed developments at the Glen Douglas Mine.

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COMMENTS RECEIVED DURING THE PUBLIC MEETING (20 FEBRUARY 2014)					
Name Not Provided	Resident	Verbal correspondence	20/02/2014	Is this the first acetylene plant in South Africa using this production process and will acetone be produced as part of the process?	Air Products operates two other acetylene gas production facilities in South Africa using a similar production process. Acetone is not manufactured in the process, acetone is used for the safe storage and transport of the acetylene gas (ie acetylene gas is dissolved in acetone during cylinder filling.
				The smell of carbide is a nuisance to the residents who are in lee of the surrounding factories.	It should be noted that the calcium carbide will be stored in airtight containers (turnbins) to avoid contact with air and moisture. All other products used in the production process will also be stored in airtight containers including the acetone and nitrogen. The stakeholder was invited to visit the existing Air Products facility in Kempton Park.
				What is the cost of building this plant?	The estimated cost of building the plant is in excess of R 50 million.
				What is the waste product produced and will it create dust emissions?	Lime slurry is not a waste product, it is considered a by-product of the production process and is planned to be made available to local contractors for use in the agricultural/infrastructure sectors. This slurry will be stored in sludge separation units where water will be drawn off. The lime will be transported in a putty form, therefore there will be no dust emissions.
				Where is the calcium carbide produced?	It is produced in Newcastle and transported in containers.
				Are the reaction tanks open to the atmosphere?	The generator tanks and entire production process is a closed loop system, to not allow the release of acetylene gas.
				What are the sources of air pollution?	Based on the operations at the existing Air Products facilities, the atmospheric emissions are generally low as the produced gas is kept in the contained system. The release of gases is only likely during an emergency situation/unplanned event, ie fires or explosions. An Air Quality Impact Assessment will be undertaken to determine the potential air emissions from the construction and operation of the proposed facility as well as the cumulative impact on the air quality of the study area.

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				What about the residual smell of lime?	There is very little to no smell associated with the lime. This will remain around the area of the pit as an onsite odour.
				What are the operational times of the plant?	The facility will operate for 24 hours for 5 days a week.
				Received notification of the public meeting on day of therefore expects that many residents haven't attended the meeting as they haven't been informed. Suggested other public forums/ places for future notifications: Post office in Henley on Klip, churches in Daleside, local radio station, Principal's forum, and municipality communications.	Notification of the meeting was sent on 17 January 2014. ERM sent out a reminder a week before the meeting and the local Ward councillor sent out a reminder a day before the meeting. Attendees were encouraged to complete the attendance register and include the details of any residents they think should be included in the stakeholder database. All attendees' details will be noted from the attendance register and used for future communications. The possible options for future notifications have been noted and will be considered.
Andries Potgieter	Resident	Verbal correspondence	20/02/2014	What is the reason behind the site location?	The R59 development corridor is identified as an important industrial corridor within the region. The facility requires a good distribution network and the R59 provides easy access to the major highways. Various other sites were considered during the pre-feasibility stage of the project, however the land was not considered feasible based on technical, environmental and financial considerations. In Daleside, two other sites were considered that did not meet the necessary criteria. It should be noted that the proposed facility will comprise the latest design/technology and meet all required international and local standards in terms of environment, health and safety and social aspects.
Thabo Mahloane	Resident	Verbal correspondence	20/02/2014	Will the production process use large amounts of water? Where will the water be discharged?	It is planned to collect and store storm water run-off which will be channelled to two catchment pits on site (site slopes towards the East). 214 m3/hr of water will be required for Phase 1 (top-up water). Plant will use 80-90% recycled water in a closed loop system. For additional water requirements, borehole and/or municipal water will be used.

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				What is the life span of the facility? Has the community been taken into account when the plant is decommissioned?	The lifespan of the facility will be approximately 50 years. A project specific fund will be set aside for the community as part of the Air Products Corporate Social Responsibility Programme. Air Products will consult with the community around possible initiatives for the CSR. The community is encouraged to share and identify initiatives to benefit from the fund.
Jennifer Zeiss	Resident	Verbal correspondence	20/02/2014	How many empty vs full cylinders will be on site?	At any one time, approximately 1 800 gas cylinders will be on site, 900 full and 900 empty (For Phase 1 and 2 of the Project).
				Will there be any pollution of the Klip River, particularly in flood situations?	The catchment pits are 4 500 m3 each and are open to provide adequate storage of storm runoff water. The surface area around the plant will be concreted so that runoff is directed to the pits and not off site. Surface water from the dirty areas will be recycled and re-used on site. The Klip River is more than 2 km away from the site, furthermore there are no drainage channels located on or around the site, thus pollution of the Klip River is unlikely.
				When is construction expected?	Should the EIA be approved, construction is planned for December 2014. All project stakeholders will be provided the opportunity to appeal the decision, prior to construction.
				Will the proposed development lower the property values in Daleside?	The R59 has been identified as a strategic industrial and commercial corridor for development. The proposed facility itself is not likely to result in reduced property values as there are several industries operating in the area. However, this will be considered in EIA process.

COMMENTS RECEIVED DURING THE FINAL SCOPING REVIEW PERIOD (March - April 2014)

Tebogo Molokomme	Provincial Heritage Resources Authority Gauteng	Fax	16 April 2014	<p>After reviewing the FSR, the PHRA-G has made the following recommendations:</p> <ul style="list-style-type: none"> You indicate that the South African Heritage Resources Agency (SAHRA) says that a Heritage Impact Assessment (HIA) is not necessary. If 	<p>ERM responded to the PHRA-G on 6 May 2014 (see <i>Annex D_7</i>) with the following:</p> <ul style="list-style-type: none"> A Notice of Intent to Develop (NID) was submitted to the South African Heritage Resources Information System (SAHRIS) on 13 December 2013 (Case ID 4445). SAHRA provided their Final Decision on 19 February
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				<p>so, please send us the SAHRA letter for assessment.</p> <ul style="list-style-type: none"> Please do further note that we are a different organization, therefore our decisions might be different to those of other organizations. 	<p>2014 granting exemption from further heritage assessments, on condition that, if bedrock is to be affected by the proposed development, a palaeontological field assessment and protocol for finds must be conducted and submitted to SAHRA for comments prior to any development.</p>
COMMENTS RECEIVED DURING THE DRAFT ENVIRONMENTAL IMPACT REPORT REVIEW PERIOD (July - August 2014)					
Pieter Badenhorst	Pieter Badenhorst Professional Services	Email	4 July 2014	<p><u>Glen Douglas Dolomite Burning Plant - availability of draft Scoping Report</u></p> <p>Please note the information on the website will only be available from 9 July 2014. The commenting period commence on 14 July 2014 until 5 September 2014.</p>	<p>Please register myself on behalf of our client, Air Products (Pty) Ltd, as an interested an affected party for the proposed Glen Douglas Dolomite Burning Plant. We have received notification of the availability of the draft scoping report but wish to be kept informed of any further developments please.</p> <p>Kindly note that the Draft Environmental Impact Report (EIR) for the proposed Air Products Acetylene Gas Production Facility has been made available for public comment. Please see the notification letter attached for details on accessing the report. A public meeting will be held where Air Products and the EIA team will present the findings of the Draft EIR and obtain comments from the public.</p>
Lehlohonono Samuel Nxala	Daleside Resident	Email	7 July 2014	<p>I send this e-mail as an indication of my interest, in the proposed Air Products project in Midvaal's Randvaal area. May you please advise me as a resident of Randvaal on the registration procedure. Your respond will be highly appreciated.</p>	<p>Stakeholder has been notified and informed of the availability of the Draft EIR and public meeting and open house event.</p>
Sandra Hansen	Registered I&AP	Email	5 August 2014	<p>I object to the mine proposal in its entirety. This proposed development will ruin Henley on Klip and Daleside completely. As it is we have enough problems already</p>	<p>Thank you for your comment. However, please note that the proposed development to which our initial email refers is the Air Products Acetylene Gas Production facility which is not associated with the Glen Douglas mine. The Project</p>

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				with flooding and crime. This new development at the mine will completely ruin our lovely and much loved village.	<p>involves the construction and operation of a new acetylene gas production facility at Stand 88 and 89 of Valley Settlements Agricultural Holdings, located just off Tilliet Road (26°30'23.97"S 28°03'10.44"E). I have attached the Background Information Document (BID) for your referral.</p> <p>Any comments received by yourself on the Air Products project will be included in the Final Environmental Impact Report.</p> <p>If you wish to provide your comments with regards to the Glendouglas Mine to the applicable Environmental Consultant, please contact: Pieter Badenhorst Professional Services Mr Piet Badenhorst: pbps@iafrica.com</p>
				Thank you for clarifying this. I also object to this development. This is a residential area. Where are people supposed to live close to the city for work. Why can't you take your factory into an industrial area not in the midst of a rural area and where people are living. The area is already totally polluted.	Thank you Sandra. Your comments will be included in the Final Environmental Impact Report which will be released for a further 21 day commenting period shortly.

COMMENTS RECEIVED DURING THE OPEN HOUSE EVENT (24 July 2014)

Clr. Rob Jones	Ward 5 Councillor	Verbal correspondence	24/07/2014	<p>How much local employment will be created as a result of the proposed project? Will service providers such as gardening, etc. be subcontracted?</p> <p>The local council already has a database of people who are unemployed in the area.</p>	During construction an estimated 15 - 20 people will be employed. In addition 5 people will be employed during operation. Where possible service providers will be sourced locally first. Should the skills not be found within the area, it will be sourced from outside of the area.
Midvaal Local Municipality		Verbal correspondence	24/07/2014	Is there a leak detection system in place?	A leak detection system will be installed for the plant itself which will include area monitor alarms used to monitor

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Clr. Rob Jones	Ward 5 Councillor	Verbal correspondence	24/07/2014	Worldwide, do you know of any accidents?	To date the South African plants have not had any major incidents in the last 40 years. ERM will confirm if any accidents have occurred internationally.
Midvaal Local Municipality		Verbal correspondence	24/07/2014	Will the two boreholes be utilised for process or domestic purposes? Will a WULA (Water use licence application) be necessary?	The two boreholes will not be used during the construction and operation of the plant; therefore a WULA will not be necessary. Rainwater will be collected for the production process and will be supplemented by municipal water.
Clr. Rob Jones	Ward 5 Councillor	Verbal correspondence	24/07/2014	Is there enough water available, as the adjacent dolomite mine is also extracting and using water?	Water will not be extracted for the Air Products Facility. As mentioned, rainwater will be harvested and used, supplemented by Municipal water supply when needed.
Clr. Rob Jones	Ward 5 Councillor	Verbal correspondence	24/07/2014	Is there a sewer system?	The plant will link into the existing sewer system. It should be noted that the total number of people on site during operation will be 10; therefore sewer system should not require additional capacity.
Midvaal Local Municipality		Verbal correspondence	24/07/2014	Have Eskom been contacted for the substation?	Negotiations with Eskom have been undertaken and approval has been received in principal. A formal letter will be received in due course.
Midvaal Local Municipality		Verbal correspondence	24/07/2014	What is the height of the stack? In terms of aviation, is authority comment required?	There is no stack; however the height of the plant will be between 10-12m. Thus aviation approval will not be required.
Midvaal Local Municipality		Verbal correspondence	24/07/2014	Is an air emissions licence needed?	Yes, an application to the local council has been made for an air emissions license. A license will only be issued once the project has been issued with an Environmental Authorisation.
Clr. Rob Jones	Ward 5 Councillor	Verbal correspondence	24/07/2014	How will domestic and hazardous waste be controlled /disposed of?	Operational waste includes domestic waste (paper, tin, food etc.), scrap metals, waste lubricants, fluorescent tubes etc. The facility will identify and classify all wastes generated on site and a waste inventory developed. Only approved and licensed waste transport contractors will be used to collect and transport wastes off site to the respective suitably licenses disposal or recycling facilities.
Clr. Rob Jones	Ward 5	Verbal	24/07/2014	Landfill sites that should be considered:	Comments noted and will be included in the Final EIR.

COMMENTS AND RESPONSES REPORT: AIR PRODUCTS PROPOSED ACETYLENE GAS PRODUCTION FACILITY, DALESIDE

Name	Organisation	Correspondence Type	Date Received	Comment	Response
	Councillor	correspondence		Walkerville and Val Marina. Henley-on-Klip Landfill site has been closed.	
Clr. Rob Jones	Ward 5 Councillor	Verbal correspondence	24/07/2014	Traffic impact study – both graphs in the report are labelled ‘morning’ traffic measurements.	ERM to rectify this in the Final EIR.
Clr. Rob Jones	Ward 5 Councillor	Verbal correspondence	24/07/2014	The Daleside access road should not be used because it is very steep.	This comment will be included in the Final EIR.
Midvaal Local Municipality		Verbal correspondence	24/07/2014	Will stormwater management be part of the WULA?	WULA is not required. Catchment pits will be established on site for the collection of rain water, to supplement this supply municipal water will be utilised if necessary. Run-off from potentially dirty areas will be diverted to a recycled process water system for purification and reuse. Stormwater run-off from clean areas will flow into the catchment pits to the east of the site. A stormwater management plan and drainage design will be developed prior to construction and will be in accordance with the Air Products Design of Drainage Procedure (February 1999).
Midvaal Local Municipality		Verbal correspondence	24/07/2014	What measures are put in place for nesting birds on site?	A portion of the site will not be developed, and the trees in this area will remain. In addition, no red data fauna or bird species were identified by specialists during the ecological scan and study.
Midvaal Local Municipality		Verbal correspondence	24/07/2014	Are there plans to plant indigenous trees on in peripheral areas or off site?	Trees in close proximity to the plant are a risk as they could be a combustion source. All vegetation used to rehabilitate the site will however be indigenous though.
Clr. Rob Jones	Ward 5 Councillor	Verbal correspondence	24/07/2014	Does visual impact need to be assessed?	The visual impact was assessed in terms of height of the plant in relation to the surrounding environment. Since the maximum height of the building will be 10 – 12m, the visual impact was considered negligible.
Midvaal Local Municipality		Verbal correspondence	24/07/2014	Are Air Products and ERM aware of the EIA process for a tyre pyrolysis plant (S24G)?	Yes. This has been described in the Draft EIR and assessed as a cumulative impact. Further developments in the area have also been considered including the Daleside Oil Skip and the Glen Douglas Mine.

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Name	Organisation	Correspondence Type	Date Received	Comment	Response
Midvaal Local Municipality		Verbal correspondence	24/07/2014	Have all specialist studies been conducted and signed	All specialist studies have been conducted and reports submitted and included as annexures to the Draft EIR. Impacts raised by specialists have been rated as negligible – minor significance ratings except for the release of PM10 emissions during construction which was given a moderate significance rating after mitigation.
Clr. Rob Jones	Ward 5 Councillor	Verbal correspondence	24/07/2014	What will the maintenance of this site be like in 5-10 years? For instance, will they operate at night?	The plant will operate for 24 hours/day, Monday to Friday.
Midvaal Local Municipality		Verbal correspondence	24/07/2014	Is there a safety and emergency responses plan in place for trucks transporting products to and from the Plant?	All transport will be in accordance with Air Products Standard Operating Procedures (SOP) for Product Distribution.
Clr. Rob Jones	Ward 5 Councillor	Verbal correspondence	24/07/2014	If a truck breaks down in the middle of summer – is there a way to transfer the product? How much time before an explosion etc?	<i>A replacement vehicle will be sent immediately. The site is not that remote from Johannesburg and vehicles can be dispatched the same day. The storage vessels are specifically designed to accommodate extreme conditions, the risk is therefore negligible.</i>
Clr. Rob Jones	Ward 5 Councillor	Verbal correspondence	24/07/2014	Should a fire occur will there be a linkage to the fire department? Will neighbouring properties be included in the evacuation process?	The Fire department will need to sign off an authorisation: The Major Hazardous Installation (MHI) Risk Assessment and emergency response plan both will be signed off by fire department. The risk of fire/explosion is limited to the site itself therefore the evacuation procedures do not include the neighbouring properties. Stakeholder engagement will continue post approval by a grievance procedure.
Derek Harry	Resident	Verbal correspondence	24/07/2014	What is the purity of the acetylene gas?	The acetylene gas is an odourless gas produced in a closed system.
COMMENTS RECEIVED DURING THE PUBLIC MEETING (24 July 2014)					
Sam Blake	Oprah Winfrey Leadership	Verbal correspondence	24/07/2014	<ul style="list-style-type: none"> What is the projected wind direction used for the MHI modelling? 	<ul style="list-style-type: none"> The MHI model looks at max wind speed in all directions, using wind roses

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Name	Organisation	Correspondence Type	Date Received	Comment	Response
	Academy for Girls: Director of Operations			<ul style="list-style-type: none"> • Are both products gas? • What kind of wall will be constructed? • The area is conducive to severe lightning strikes. Has this been investigated? • What is the capacity of the holding water tank area? • Will the boreholes be utilised? • Has a dolomite assessment been undertaken? 	<ul style="list-style-type: none"> • No, acetone will be in liquid form • A 2.2m semi-face brick perimeter wall will be constructed. The entrance to the plant will be a full face brick structure • Yes, this has been included in the MHI risk assessment. Lightning protection will be included in the roofs and ground, according to NFPA standards. • 4500m³ each • This has been investigated, and considered not feasible as it is a - lengthy and costly process. Therefore rainwater will be collected and used. • A dolomite screening has been undertaken. Air Products have appointed civil engineers for the design and construction of the plant.
Tebogo Mokoena		Verbal correspondence	24/07/2014	How will the unemployed benefit?	The plant will consist of the latest technology, and a small staff complement will be required, this has the added benefit that few people will be at risk if an accident occurs. The Plant Manager has already been appointed because of the highly skilled nature of the role. Other semi-skilled and unskilled positions will be sourced from the local community where possible. Further employment through peripheral services such as security and cleaning services exist. Air Products will advertise for jobs in 2015.
Sam Blake	Oprah Winfrey Leadership Academy for Girls: Director of Operations	Verbal correspondence	24/07/2014	Would the staff located at the Kempton Park and Pinetown plants be retrenched as a result of the decommissioning of the plant?	These plants are both part of bigger production facilities and therefore the employees will be utilised elsewhere at the plant.
Abbie Carson		Verbal correspondence	24/07/2014	Why was this date/time proposed for the public meeting? This is an inconvenient time for the community. Is there the possibility of another meeting taking place	This is a possibility and depending on feedback from the community and comments received further on the Project, it will be considered. From ERM's experience, weekday nights are usually better and the time of this meeting was brought

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				which can be advertised better e.g. newspaper advert?	forward on public request.
Leon Kirchner		Verbal correspondence	24/07/2014	800 SMS's sent out to community via the Volunteer Group and many couldn't attend because of the time. Need to advertise better.	Comment noted. Notification and stakeholder engagement efforts have been aligned with the relevant EIA Regulations.
Unknown		Verbal correspondence	24/07/2014	What are the health risks to the community?	A variety of specialists have been consulted to address the potential impacts on the community including health and safety. The biggest concern is fire/explosion which is addressed in the MHI. This risk will mostly be an on-site risk.
Leon Kirchner		Verbal correspondence	24/07/2014	Any Smells?	Acetylene gas is odourless. While acetone is associated with an odour, product will be stored and transported in closed units while the production process itself is in a closed facility.
Peter Falke	Chairman of No-Afrimat Furnace Committee	Verbal correspondence	24/07/2014	What grade is the lime? Where is it specifically used? Suggested proposal to Air Products to not sell/give lime away but instead contribute towards an NPO and in turn uplift the community.	<p>The Lime is a by-product of the production process and is in hydroxide form (so yes it is hydrated).</p> <p>Limeco: will remove the dewatered "cake" which will be trucked to KZN for a variety of purposes, including the whitewashing of walls. The alkaline nature of lime makes it also useful for furnace processes.</p> <p>A suggestion by Peter Falke has been noted, who has asked if it would be possible for Air Products to give the lime away instead of selling it. A Not-Profit Organisation could be established to benefit local communities, who would then sell the lime on or use it in other applications.</p> <p>Air Products committed to exploring this further in future.</p>
Stan Wallis		Verbal correspondence	24/07/2014	Will the plant be another Heineken facility that claims not to create any odour, but once constructed does not live us to this	Barry Little (Air Products) had stated that in the event of the emission of a bad odour emitting form the plant, Air products is committed to stopping production until the

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Name	Organisation	Correspondence Type	Date Received	Comment	Response
				claim, would Air Products close the facility?	odour problem has been dealt with.
Leon Kirchner		Verbal correspondence	24/07/2014	Has rezoning already been done?	<i>Yes, site is zoned Industrial 3.</i>
Stan Wallis		Verbal correspondence	24/07/2014	Are you aware that you will be opposite the Glen Douglas Mine and the proposed smelter to be constructed at the mine?	Air Products responded yes, and that they are a registered I&AP for this project. ERM have considered the cumulative impacts of this Mine.
Yusuf		Verbal correspondence	24/07/2014	"I have worked next to the Air Products plant in Vanderbijl Park for a number of years. I have noticed that a lot of gas is released into the environment on a number of occasions. Will the releasing of these gases be considered safe to the environment?"	The plant in question is the Arcelor Mittel Plant for which Air Products supply gas. This includes the separation of air to its separate components such as oxygen, nitrogen, argon carbon dioxide and methane. The gas emission you see is the release of excess air particles back into the environment, which is perfectly safe to the environment and people. The I&AP is therefore referring to this release of gases from storage tanks which is quite safe.
Alan Dougherty		Verbal correspondence	24/07/2014	What are the operating hours for the plant?	24 hours/ 5 days a week. Noise disturbance will be negligible as 6 compressors will be set in water baths, within the plant building.
Abbie Carson		Verbal correspondence	24/07/2014	Have sound tests been done?	Yes, decibel level - 85 Db. Staff will not need to wear ear protection. Nuisance sound level - negligible.
Abbie Carson		Verbal correspondence	24/07/2014	Why is it necessary for the plant to operate for 24 hours?	For financial feasibility reasons this is necessary as the gas production is a 12 hour process. Process will be in a shift cycle (6am - 6pm) (6pm -6am). Trucks will move during day time to minimise risks.
Sam Blake	Oprah Winfrey Leadership Academy for Girls: Director of Operations	Verbal correspondence	24/07/2014	What is the size and scale of driers?	The driers are 3.5m x 4m. These may be replaced by the Pressure Swing Adsorption (PSA) system. The plant itself will be about size of the school hall with the height at a max of 10 - 12m.
Alan Dougherty	Oprah Winfrey Leadership Academy for	Verbal correspondence	24/07/2014	<ul style="list-style-type: none"> How will the water in the Dams be neutralised? 	<ul style="list-style-type: none"> Dam water is harvested rainwater therefore doesn't require neutralisation. The process water will be cooled and re-used in a closed loop system

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Name	Organisation	Correspondence Type	Date Received	Comment	Response
	Girls: Director of Operations			<ul style="list-style-type: none"> • Will the Calcium Carbide (CaCO₃) create an odour? • How much Nitrogen Oxide (NO_x) will be released into the environment. ? • Who will be the watchdog? 	<ul style="list-style-type: none"> • The Calcium Carbide container will be sealed at all times during the process. On the off-chance that there are problems at the supply point CaCO₃ may be supplied in drums. • Negligible NO_x emissions are expected during the operation phase. • Air Products will be responsible for monitoring themselves. There are national authorities that also provide a watchdog function, and a community based Environmental Monitoring Committee can also be established if the community would like.
Wynand Englebrecht	Resident - Chair of Volunteer Organisation	Verbal correspondence	24/07/2014	<ul style="list-style-type: none"> • The community is highly sensitive to a plant that will generate noise or odour. The community should not have to police/monitor these plants. • Biggest concern - will the Meyerton Fire Department be able to manage an incident? Has this been confirmed? • Air Products' community involvement shouldn't include the upgrade of Tilliet road as this should be part of the Municipality bulk contribution for rezoning, mainly given to municipality to improve services. Upgrading the road would be to Air Products own advantage. • A Geological investigation has been undertaken by a group of banks which identified the area as prone to 	<ul style="list-style-type: none"> • Air products agreed with this statement. • Air Products has had a meeting with the fire chief and appointed Tim Brackenhurst, a fire consultant, to do an assessment of the site. Air Products will have an on-site and off-site emergency plan. • The plant itself will be a "light" structure. Detailed investigation will be undertaken if requested by the Authorities.

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				<p>sinkholes. Has this been considered?</p> <ul style="list-style-type: none"> Public meeting, as suggested, was made at an inconvenient time. Community hopes that a friendly relationship with Air Products will continue once the plant is operational. 	<ul style="list-style-type: none"> Noted. This is appreciated and Air Products further suggests that there needs to be relationship between both parties. Air Products commit to an open day when the plant becomes operational and an on-going relationship with the community.
Sam Blake	Oprah Winfrey Leadership Academy for Girls: Director of Operations	Verbal correspondence	24/07/2014	<ul style="list-style-type: none"> Air Products should take note that the community has been faced with a double “threat” with Air Products and Glen Douglas. The Community are appreciative of the transparency demonstrated by Air Products during this meeting. With regards to the Air Quality significance rating, the air quality is already so poor so it seems unlikely that any new projects could possible make it worse. Rain water collection points - are these all the over the site? 	<ul style="list-style-type: none"> Noted The slope of the plant will mean that the maximum amount of rainwater will be collected in the dams during the 6 month rainfall period. Air Products therefore hopes to commence with the construction of these dams in January to capitalise on the rainy season.
Yusuf		Verbal correspondence	24/07/2014	High volumes of lime as a by-product are therefore expected. Will white strips of lime on roads occur? Will the lime pits be open or closed?	Pits have got an additional safety volume to prevent spills. Contractors have ensured their capacity for removal of 100% of the lime. A high pressure hose will be used to wash the lime allocation area and trucks before they leave the site. Tanker Services are currently used to remove the lime slurry

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					at the existing sites and will likely be used at this site too. Lime cake will be bagged prior to transport and are not expected to create any mess.
Alan Dougherty		Verbal correspondence	24/07/2014	<ul style="list-style-type: none"> • The Department of Minerals and Energy (DME) requires social labour plans - is this the same for gas producers? Are the social upliftment plans regulated or up to the proponent to decide and implement? • Does the Municipality have any authority in this application? • Is Air Products commitment to social development in the area ad-hoc or long-term? 	<ul style="list-style-type: none"> • The social and labour investments at mining operations are governed by the Minerals and Petroleum Resources Development Act, which regulates all mining activities. The proposed acetylene production facility is regulated under the National Environmental Management Act (NEMA). Under this Act, the applicant is not obliged to submit social or labour plans and their only obligation is to mitigate any impact on the community. Anything extra is above and beyond. Social upliftment / contribution is at the discretion of the applicant. • The Municipality has authority with regards to by-laws, rates and taxes, and approval of building plans. • Air Products have committed to a long term development. This may be documented in the EMPr which will therefore become legally binding.
Stan Wallis		Verbal correspondence	24/07/2014	What is the approximate amount Air Products are paying for local rates and taxes on their Site?	Paying rates and taxes on erven as two separate entities. - +/-R2500 per month for both however this is not definite. Should be noted that one Erf has no infrastructure.