

## PROPOSED TOWNSHIP DEVELOPMENT ON ERF 2642 AND PORTION 14 OF FARM 48, OPWAG, !KHEIS LOCAL MUNICIPALITY

APPLICANT: !Kheis Local Municipality

### COMMENT AND RESPONSE REPORT

(DENC Ref. No: **TBC**)

No.	Comment Date, Comment Format, Organisation/I&AP	Comment	Response from EAP/Applicant/Specialist/Project Manager
1	<p>Date: 17/06/2020            Format: Email Letter  <b>I&amp;AP:</b> Gariep Watch            (Chairman: Mr. Ferdie Botha/            Technical Advisor: Mr. Fritz Bekker)</p>	<p>Gariep Watch is a civic society organisation that endeavours to protect the lower Orange River through effective monitoring and data collection, improved communication by role-players and the enhancement of public participation.</p> <p>We noted your abovementioned NEMA Public Participation Process (Ref. 0512) for a new township development at Topline, with much concern.</p> <p>Gariep Watch performs quarterly water quality studies and a risk assessment procedure at various localities in the lower Orange River including the river reach flowing through the !Kheis Local Municipalities jurisdiction. Our water quality results show that a number of point and diffuse sources of sewerage pollution may be affecting the surface and ground water resources in the vicinity of these townships and beyond. Furthermore, recent site visits to sewerage water infrastructure at these !Kheis townships showed that much of the sewerage water infrastructure is not being maintained or used for its intended purpose. Pump stations to the oxidation dam systems are not working, sewerage infrastructure is being vandalized, oxidation dam linings are damaged or removed and raw sewerage is being disposed into the veld or towards dry water courses.</p>	<p><b>Please note: All registered I&amp;APs will be given the opportunity to comment on the draft EIR.</b></p> <p><b>Respondent:</b> EAP</p> <p>Noted. Thanks for your comment.</p> <p><b>Respondent:</b> EAP</p> <p>Noted, issues relating to the water quality and sewage infrastructure will be addressed in the Environmental Impact Report (EIR). A Freshwater Assessment, and Engineering Report detailing services infrastructure, will be included in the EIR.</p>

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		<p>The photographs in Figure 1 show some of the oxidation dam systems encountered at !Kheis Local Municipality during 2019.</p>  <p>Figure 1: Oxidation dam systems at !Kheis Local Municipality (2019)</p> <p>The extension of existing townships that already have inadequate, unmaintained or unused sewerage infrastructure will only aggravate their pollution risk towards the downstream environment.</p> <p>We therefore object to any new township development in the !Kheis Local Municipality and request the following information:</p> <ol style="list-style-type: none"> <li>1. A list of all new proposed township developments in the !Kheis Local Municipality where EnviroAfrica CC is the appointed environmental practitioner.</li> <li>2. Details pertaining to new sewerage infrastructure that are planned for these developments.</li> </ol> <p>Please also register Gariep Watch as an I&amp;AP for these new township developments.</p>	<p>1. Requested information has been sent to the I&amp;AP.</p> <p>2. Noted, this will be addressed in the EIR. An Engineering Report detailing services infrastructure, will be included in the EIR.</p> <p>Noted, Gariep Watch has been registered as an I&amp;AP.</p>

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2	<p><b>Date:</b> 16/06/2020  <b>Format:</b> Email Letter  <b>I&amp;AP:</b> Schalk and Marike van der Merwe (<a href="mailto:smvdmhome@gmail.com">smvdmhome@gmail.com</a>) (074 366 2276)</p>	<p>We have received a publication regarding the proposed project for extending the current housing in this location with a further 730 low income erven.</p> <p>We live in the Opwag area and are daily in the Township as our permanent and temporary workers live there. We also have participated in outreaches and have a close relationship with some of the people currently living there.</p> <p>Our concerns are:</p> <p><u>Water</u></p> <p>During winter the canal that provides water for this section also have 4 dry periods of 14 days each. The dry periods are in sections of mostly 2 weeks and sometimes there is an interval of three weeks. Almost every time after the first weekend of the 2 week interval, the people that works with us ask if they can borrow our water tanks (which are on wheels), fill up the water tank from our borehole, because there is no water. We provide that, but the situation is that the management of water in the township currently is a big concern. The Municipal supply of water via their water truck is not consistent and it cost them allot of money.</p> <p><u>Medical</u></p> <p>The clinic is in Groblershoop which is around 8km from the township. Most of the residents of the Township do not have vehicles and there are also not regular trips to town via taxis. The people then must walk to the clinic. Medical service currently does not exist in the Township, and I cannot foresee that a clinic will be stationed in the township, within the near future. (Areas outside Groblershoop, like Wegdraai and Boegoeberg, do not have sufficient medical care, and they have so-called clinics)</p> <p><u>School</u></p> <p>At the moment the nearest school is around 3km far. Most of the children walk to school and is a big concern for the vehicle drivers, as they use the same road to walk to and from school which the vehicles use. The school is already full and if more children attend the school then new classrooms needs to be build.</p>	<p>Respondent: EAP</p> <p>Noted, the supply of water to the proposed development will be addressed in the EIR. An Engineering Report detailing services infrastructure, will be included in the EIR.</p> <p>Noted. The Municipality (Applicant) and/or planners will address medical care in the EIR.</p> <p>Noted, The Municipality (Applicant) and/or planners will address road safety and institutional facilities in the EIR.</p>

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		<p><u>Theft</u>  We live and farm about 3km from the township. When the crops are almost ready for harvest, people stealing the crops are a real concern. Crops include grapes, pecan nuts, maize, Lucerne etc. Sheep farming is extremely high risk as people take the sheep out of a secure location and slaughter the animal for his own purpose. Sometimes even the people that are working with us, they get death threats if they try to stop the stealing of the crops. Most of the people that do work, work on the farms as general workers. If people steal the crops, then eventually there will not be any work for the people that want to work which just creates an more negative cycle. Stealing of poles inside the vineyard is also a big concern. The people come and steal the poles which are used for the vineyard. They use the poles to build their houses. All vacant houses on the Opwag road have been demolished, for building parts in the township.</p> <p>Here is already not enough work for the people staying in this township, with even more houses and occupancy the problem of theft will only escalate.</p> <p><u>Safety</u>  As previously mentioned, stealing of the crops and poles, but also the safety of general workers living and working on the farm premises are a concern. Homeowners are also making sure that their security around their premises is right.</p> <p><u>IKheis Municipality</u>  This township will resort under this municipality. We as farm is busy for the last 8 years to try and buy erven in town for our workers for the day they retire. The municipality have appointment more than one consultancy to help them to do the sub-division of this land. This process has not been finished. We also do not get any regular bills as a farm community from the municipality. I can send proof of both these statements. My concern is, how the municipality that is already under constrain and cannot deliver basic services in there current surrounding, how they want to supply services to a new town-area that is 8 km away. Last month we had to lend them a tipper so they can remove the house-rubbish. Up to this stage, we do not even have a fenced rubbish-hole in</p>	<p>Noted, The Municipality (Applicant) and/or planners will address security in the EIR.</p> <p>Noted, short- and long-term employment opportunities will be addressed in the EIR.</p> <p>Noted, the Municipality (Applicant) and/or planners will address safety and security in the EIR.</p> <p>Noted, The Municipality (Applicant) and/or planners will address service delivery in the EIR. An Engineering Report detailing services infrastructure, will also be included in the EIR.</p>

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		<p>town, because the costs are too high. For this development so far from town, they will need to set up a second rubbish-hole. So how will a development of this extend be funded? My parents stay in town, and sometimes they need to wait for weeks for sewerage-removal, again, how will this municipality be able to service and development of this extend so far from town.</p> <p>My question, then, how did they appoint a new consultancy to start this development, if they do not have money to cover basic services, and current town-expansions.</p> <p>The people currently staying in this township, are extremely excited about this development, because they have been promised that they will get free of charge new brick homes, with this new expansion. Some of our workers, staying in this township has stopped building their current houses, because they will get a brick house from the developers.</p> <p>We also want to register as an interested and affected party to this development.</p>	<p>The Municipality (Applicant) and/or planners will address funding in the EIR</p> <p>Noted, The Municipality (Applicant) to address in the EIR.</p> <p>Noted, thank you for the comment.</p> <p>Noted, you have been registered as an I&amp;AP.</p>
3	<b>Date:</b> 26/06/2020 <b>Format:</b> Email Letter <b>I&amp;AP:</b> Elize Joseph (060 673 5261)	<p><i>Ek wil graag met hierdie brief regstreer om verdere nuus van hierdie ontwikkeling te ontvang, en om verdere vergaderings te kan bywoon. Kontak my asseblief in die vervolg op my selfoon.</i></p> <p><i>Ek wil graag die volgende punte onder julle aandag bring:</i></p> <p>Hiermee verklaar ek Elize Joseph dat ek bevoreg is dat hier nog weer velle hyse bevoer reg is in Opwag om te bou word ek gee die toe stemming.</p>	<p><b>Respondent: EAP</b></p> <p>Noted, you have been registered as an I&amp;AP.</p>
4	<b>Date:</b> 26/06/2020 <b>Format:</b> Email Letter <b>I&amp;AP:</b> Jo-Anne Joseph (063 421 9594)	<p><i>Ek wil graag met hierdie brief regstreer om verdere nuus van hierdie ontwikkeling te ontvang, en om verdere vergaderings te kan bywoon. Kontak my asseblief in die vervolg op my selfoon.</i></p> <p><i>Ek wil graag die volgende punte onder julle aandag bring:</i></p> <p>Hiermee verklaar ek Jo-Anne Joseph dat ek geen swaar het oor hyse of enige iets het nie, maar ons het regtig n behoefte dat Uitkoms Zuma</p>	<p><b>Respondent: EAP</b></p> <p>Noted, you have been registered as an I&amp;AP.</p> <p>Noted, this will be addressed by the Municipality (Applicant) and/or planners in the EIR.</p>

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		Valley moet vele meer huise moet kry want ons is almal familie hier. As ons moet bousteen moet kry is ons bevoorreg. Dankie.	
5	<b>Date:</b> 26/06/2020 <b>Format:</b> Email Letter <b>I&amp;AP:</b> Suzy Leani Niewoudt (060 673 5261)	<p>Ek wil graag met hierdie brief regstreer om verdere nuus van hierdie ontwikkeling te ontvang, en om verdere vergaderings te kan bywoon. Kontak my asseblief in die vervolg op my selfoon.</p> <p>Ek wil graag die volgende punte onder julle aandag bring:</p> <p>Hiermee verklaar ek Suzy Nieuwoudt dat hier meer velle hyse moet kom sodat ons in ag kan neem volgens ons om gewing dat ons n beter toekoms in ons omgewing kan he volgens klinieke sped teryne vir ons kiners env.</p>	<b>Respondent:</b> EAP  Noted, you have been registered as an I&AP.  Noted, this will be addressed by the Municipality (Applicant) and/or planners in the EIR.
6	<b>Date:</b> 26/06/2020 <b>Format:</b> Email Letter <b>I&amp;AP:</b> Rebekka Boer (073 857 0895)	<p>Ek wil graag met hierdie brief regstreer om verdere nuus van hierdie ontwikkeling te ontvang, en om verdere vergaderings te kan bywoon. Kontak my asseblief in die vervolg op my selfoon.</p> <p>Ek wil graag die volgende punte onder julle aandag bring:</p> <p>Benodig belangting vir strate ligpalle.</p>	<b>Respondent:</b> EAP  Noted, you have been registered as an I&AP.  Noted, this will be addressed by the Municipality (Applicant) and/or planners in the EIR.
7	<b>Date:</b> 26/06/2020 <b>Format:</b> Email Letter <b>I&amp;AP:</b> Clive Boer (078 209 7467)	<p>Ek wil graag met hierdie brief regstreer om verdere nuus van hierdie ontwikkeling te ontvang, en om verdere vergaderings te kan bywoon. Kontak my asseblief in die vervolg op my selfoon.</p> <p>Ek wil graag die volgende punte onder julle aandag bring:</p> <p>(1) Dat hier nog baie huise is wat nie toilette het nie en veroosak dat meer as een huis gesin dieselfde toilet gebruik wat n gesondheids wisiko is.</p> <p>(2) Kanaal opblok wat aaneenlopende water toevoer voorsien aan buurt wanner kanaal staan</p>	<b>Respondent:</b> EAP  Noted, you have been registered as an I&AP.  (1) Noted, The Municipality (Applicant) and/or planners will address service delivery in the EIR. An Engineering Report detailing services infrastructure, will also be included in the EIR.  (2) Please see comment above.
8	<b>Date:</b> 26/06/2020 <b>Format:</b> Email Letter	Ek wil graag met hierdie brief regstreer om verdere nuus van hierdie ontwikkeling te ontvang, en om verdere vergaderings te kan bywoon. Kontak my asseblief in die vervolg op my selfoon.	<b>Respondent:</b> EAP  Noted, you have been registered as an I&AP.

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	I&AP: Stoffel Eksteen (106 Witblok)	<p>Ek wil graag die volgende punte onder julle aandag bring:</p> <p>Tekort aan water, huise met toilets en lopende krane by elke huis soek ook ons kaart en transport van ons huise. Uitkoms se mense sien ons nie as bejaardes nie. As die bejaardes vouchers kry kry ons in die witblok nie. Onse weet nie eers hoe om vir Johannes van der Merwe te bedank vir water wat hy vir ons vernuut gee nie. Motor wat baie lelik deur die straat ook ry dis nie mooi nie ons se kinders. ASB Dankie.</p>	Noted, The Municipality (Applicant) and/or planners will address service delivery in the EIR. An Engineering Report detailing services infrastructure, will also be included in the EIR.
9	<b>Date:</b> 26/06/2020 <b>Format:</b> Email Letter <b>I&amp;AP:</b> Katriena Tieties (106 Witblok)	<p>Ek wil graag met hierdie brief regstreer om verdere nuus van hierdie ontwikkeling te ontvang, en om verdere vergaderings te kan bywoon. Kontak my asseblief in die vervolg op my selffoon.</p> <p>Ek wil graag die volgende punte onder julle aandag bring:</p> <p>Ek wil ook he Keis moet ons kaart en transpoort gee. Huise in die Uitkoms kom bou en gereelde water wat loop met buite kranne. Die soed wat die motors deur die witblok ry op die pad is on aanvaarbaar ons kinder in die paaie. Sentrums bou wat kinder naweke weg van dronk en dwelems af hou. Dankie.</p>	<p><b>Respondent: EAP</b></p> <p>Noted, you have been registered as an I&amp;AP.</p> <p>Noted, The Municipality (Applicant) and/or town planners to address in the EIR.</p>
10	<b>Date:</b> 26/06/2020 <b>Format:</b> Email Letter <b>I&amp;AP:</b> Willem Eksteen (104 Witblok)	<p>Ek wil graag met hierdie brief regstreer om verdere nuus van hierdie ontwikkeling te ontvang, en om verdere vergaderings te kan bywoon. Kontak my asseblief in die vervolg op my selffoon.</p> <p>Ek wil graag die volgende punte onder julle aandag bring:</p> <p>Soek die huise se kaart and transpoort. Behuisiging met toilette en lopende water met elke huis se buite krane. Sentrums met buite mier se aktiwiteite wat kinders weg van dwelems en dronk hou. Vervoer vir die kinder wat met die voet loop. Dankie.</p>	<p><b>Respondent: EAP</b></p> <p>Noted, you have been registered as an I&amp;AP.</p> <p>Noted, The Municipality (Applicant) and/or planners will address service delivery in the EIR. An Engineering Report detailing services infrastructure, will also be included in the EIR.</p>
11	<b>Date:</b> 26/06/2020 <b>Format:</b> Email Letter <b>I&amp;AP:</b> Bemildo Steenkamp (107 Witblok)	<p>Ek wil graag met hierdie brief regstreer om verdere nuus van hierdie ontwikkeling te ontvang, en om verdere vergaderings te kan bywoon. Kontak my asseblief in die vervolg op my selffoon.</p> <p>Ek wil graag die volgende punte onder julle aandag bring:</p>	<p><b>Respondent: EAP</b></p> <p>Noted, you have been registered as an I&amp;AP.</p>

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		<ul style="list-style-type: none"> <li>- Krag sowel as water en toilets</li> <li>- Vervoer vir kinders wat met voet loop.</li> <li>- Kerke en sportgeleenhede</li> <li>- Werkskepping vir werklose persone</li> <li>- Saamstemming van mense om</li> <li>- Misdaad en dwelms hok teslaan</li> </ul>	<p>Noted, The Municipality (Applicant) and/or planners will address service delivery in the EIR. An Engineering Report detailing services infrastructure, will also be included in the EIR.</p>
12	<b>Date:</b> 26/06/2020 <b>Format:</b> Email Letter <b>I&amp;AP:</b> Willem Eksteen (060 845 1213) (105 Witblok)	<p>Ek wil graag met hierdie brief regstreer om verdere nuus van hierdie ontwikkeling te ontvang, en om verdere vergaderings te kan bywoon. Kontak my asseblief in die vervolg op my selffoon.</p> <p>Ek wil graag die volgende punte onder julle aandag bring:</p> <ul style="list-style-type: none"> <li>- Keis moet asb n plan maak so gou as moontlik om witblok se mense se huise se kaar en transpoort te gee</li> <li>- Is enige uitbreidings in Uitkoms plaasvind bv kraag toe is witblok nie deel van die plan van Uitkoms nie. Ons wil weet, want ons wil vergadring hou.</li> <li>- Keis het van die begin van 2020 nooit meer water gesorg vir witblok want die werkers wat by Kies werk se witblok is nie deel van Uitkoms nie. Hulle se waar die inwoners werk moet vir hulle vir water sorg.</li> </ul>	<p><b>Respondent: EAP</b></p> <p>Noted, you have been registered as an I&amp;AP.</p> <p>Noted, this will be addressed by the Municipality (Applicant) and/or town planners in the EIR.</p>
13	<b>Date:</b> 26/06/2020 <b>Format:</b> Email Letter <b>I&amp;AP:</b> Elsie Steenkamp (107 Witblok)	<p>Ek wil graag met hierdie brief regstreer om verdere nuus van hierdie ontwikkeling te ontvang, en om verdere vergaderings te kan bywoon. Kontak my asseblief in die vervolg op my selffoon.</p> <p>Ek wil graag die volgende punte onder julle aandag bring:</p> <ul style="list-style-type: none"> <li>- Water en toilet by Witblok</li> <li>- Vervoer vir die kinders wat met die voet skool toe gaan.</li> <li>- Werkskepping vir die wat werklos is</li> <li>- Kliniek vir die wat nie geld het om taxi te ry nie</li> <li>- Sentrum vir jongmense om naweke besig te wees sodat misdaad bekamp kan word.</li> </ul>	<p><b>Respondent: EAP</b></p> <p>Noted, you have been registered as an I&amp;AP.</p> <p>Noted, The Municipality (Applicant) and/or planners will address service delivery in the EIR. An Engineering Report detailing services infrastructure, will also be included in the EIR. Short- and long-term employment opportunities will be addressed by the Municipality (Applicant) and/or town planners in the EIR.</p>
14	<b>Date:</b> 26/06/2020 <b>Format:</b> Email Letter	<p>Ek wil graag met hierdie brief regstreer om verdere nuus van hierdie ontwikkeling te ontvang, en om verdere vergaderings te kan bywoon. Kontak my asseblief in die vervolg op my selffoon.</p>	<p><b>Respondent: EAP</b></p> <p>Noted, you have been registered as an I&amp;AP.</p>

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	I&AP: Anna Steenkamp (109 Witblok)	<p>Ek wil graag die volgende punte onder julle aandag bring:</p> <ul style="list-style-type: none"> <li>- Krag by ons se huise</li> <li>- Water en spoel toilets</li> <li>- Skool tot en met graad 9 aanbou</li> <li>- Steenhuise bou en werkskeping vir mense wat werkloos is</li> <li>- Strate teer en netjies maak</li> <li>- Vervoer vir kinders vir skool, want die kinders verdrink</li> </ul> <p>Ek gaan dit baie waardeel. Dankie. Dankie Dankie.</p>	<p>Noted, the Municipality (Applicant) and/or planners will address service delivery in the EIR. An Engineering Report detailing services infrastructure, will also be included in the EIR. The Municipality (Applicant) and/or planners will also address safety and security in the EIR.</p>
15	<b>Date:</b> 26/06/2020 <b>Format:</b> Email Letter <b>I&amp;AP:</b> Els Eksteen (079 122 0311)	<p>Ek wil graag met hierdie brief regstreer om verdere nuus van hierdie ontwikkeling te ontvang, en om verdere vergaderings te kan bywoon. Kontak my asseblief in die vervolg op my selffoon.</p> <p>Ek wil graag die volgende punte onder julle aandag bring:</p> <p>Water en krag en toilets</p> <p>Gaan die waardeer as Keis ons witblok se mense wat hier bly ons kaart en transpoort kan gee sodat ons n voet kan het waar op ons kan staan.</p> <p>Sentrums bou wat on sgemeenskap naweke kan besig hou en weg hou van dwelems grebruik.</p> <p>Vervoer vir ons uitsig skool se kinder wat met die voet staap skool toe. Dankie.</p>	<p><b>Respondent:</b> EAP</p> <p>Noted, you have been registered as an I&amp;AP.</p> <p>Noted, the Municipality (Applicant) and/or planners will address service delivery in the EIR. An Engineering Report detailing services infrastructure, will also be included in the EIR. The Municipality (Applicant) and/or planners will also address safety and security in the EIR.</p>
16	<b>Date:</b> 26/06/2020 <b>Format:</b> Email Letter <b>I&amp;AP:</b> Dexter Eksteen (082 216 7378)	<p>Ek wil graag met hierdie brief regstreer om verdere nuus van hierdie ontwikkeling te ontvang, en om verdere vergaderings te kan bywoon. Kontak my asseblief in die vervolg op my selffoon.</p> <p>Ek wil graag die volgende punte onder julle aandag bring:</p> <ul style="list-style-type: none"> <li>- Steen huise met badkamers</li> <li>- Loopende krane</li> <li>- Die skool tot met graad 9 aanbou</li> </ul>	<p><b>Respondent:</b> EAP</p> <p>Noted, you have been registered as an I&amp;AP.</p> <p>Noted, the Municipality (Applicant) and/or planners will address service delivery in the EIR. An Engineering Report detailing services infrastructure, will also be included in the EIR. The Municipality</p>

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		<ul style="list-style-type: none"> <li>- Kerke bou in Uitkoms wat elke Sondag gebruik word.</li> <li>- Vervoer vir die skoolkinders wat skool toe staap met die voet</li> <li>- Sentrum wat kinders besig ou naweke wat kinders weghou van dwelems en alkohol.</li> </ul> <p>Asb, Dankie.</p>	(Applicant) and/or planners will also address safety and security in the EIR.
17	<b>Date:</b> 27/06/2020 <b>Format:</b> Email Letter <b>I&amp;AP:</b> Lentelie Fourie ( <a href="mailto:lentelie.fourie@gmail.com">lentelie.fourie@gmail.com</a> ) (082 703 1015)	<p>We have received a publication regarding the proposed project for extending the current housing in this location with a further 730 low income erven.</p> <p>We live just across the Uitkoms Township and are there on a daily basis. I do work with the Children in the township during holiday times and we have started a soup kitchen in this area.</p> <p>We are very positive regarding the upliftment of the town as it is.</p> <p>We are aware of unhappiness regarding the start of this project, there have been a lot of misinformation doing the rounds in Uitkoms.</p> <ol style="list-style-type: none"> <li>1. Someone told the people they will receive brick houses.</li> <li>2. Someone informed all, not to sign any paper and not to register as an affected party because their land will be taken away from them. Regarding this, I feel it is the project managers duty to inform ALL members from Uitkoms of a meeting to properly inform all living there, what will happen and why/how they should register as an affected party.</li> </ol> <p>A lot of people cannot read English.</p> <p>The Schools for the children are between 3-12km far on a very bad tar road. In this township I know of 2 people that own vehicles and they rarely use them, because of the bad road and because of no maintenance shops/companies nearby and cost of maintenance on this bad road. With the development of Uitkoms, new schools should be built with the capacity to give education to ALL the children, because the current school capacity will not be able to help, they are already on full capacity.</p>	<p><b>Respondent: EAP</b></p> <p>1. Noted, this will be addressed by the Municipality (Applicant) and/or town planners in the EIR.</p> <p>2. Noted. The aim of the public participation process is to inform as many potential interested and affected parties regarding the proposed development as possible and respond to any comments which the I&amp;APs have. This will be further addressed in the EIR.</p> <p>Noted. Where possible, communication with I&amp;AP in Afrikaans can be requested by the I&amp;AP. Please note that only reports, written in English, are accepted by the Department of Environment: Nature Conservation.</p> <p>Noted, this will be addressed by the Municipality (Applicant) and/or town planners in the EIR.</p>

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		<p>We would also like to emphasize water availability. Our friends are struggling with water, for many years now. They borrow water tanks from the nearby farmers to provide water for their families, there is no help from the !Kheis municipality regarding water provision for the people of Uitkoms. They have also been struggling with toilets.</p> <p>My concern is with little work opportunities as in our current situation, to open housing here, we would like to add that there should also then, be made provision for work opportunities? There are no big towns nearby, this also means, many people would be given a piece of land, but they would have nowhere to go to sustain themselves here in the middle of nowhere.</p> <p>The clinic is in Groblershoop which is far from township. Most residents do not have vehicles. Those with vehicles charge R100 a trip to town and back for a 20km journey. This will kill the economic welfare of the people. Most people walk to clinic, most suffer because of that great distance, but they have no choice.</p> <p>BeAs previously mentioned, stealing of the crops and poles, but also the safety of general workers living and working on the farm premises are a concern. Homeowners are also making sure that their security around their premises is right.</p> <p>We also want to register as an interested and affected party to this development.</p> <p>Thank you for your reply on this letter, so that we can know that you have received the letter and that we are registered?</p> <p>Regards</p> <p>Lentelie Fourie 8508100004088</p> <p>(I will also copy 3 letters from my community friends that do not have email or data available. They live in UITKOMS.</p>	<p>Noted, The Municipality (Applicant) and/or planners will address service delivery in the EIR. An Engineering Report detailing services infrastructure, will also be included in the EIR.</p> <p>Noted. Short- and long-term employment opportunities will be addressed by the Municipality (Applicant) and/ or town planners in the EIR.</p> <p>Noted. The Municipality (Applicant) and/or planners will address medical care in the EIR.</p> <p>Noted, the Municipality (Applicant) and/or planners will address safety and security in the EIR.</p> <p>Noted. You have been registered as an I&amp;AP.</p> <p>Thank you for your comments.</p>

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18	<b>Date:</b> 27/06/2020 <b>Format:</b> Email Letter <b>I&amp;AP:</b> Mieta Jacqueline Block (078 058 4838)	Hiermee meld ek aan en wil asseblief deel wees van die ontwikkeling en besprekings asook vergaderings wat gehou gaan word rakende die ontwikkeling in Uitkoms te Groblershoop.  Hiermee is ek instaat en gee ek die toestemming. Dat ek wil deel wees van die uitbrieding en vergaderings van Uitkoms. En dan voeg ek by vir meer huise en toilets en meerwater.	<b>Respondent:</b> EAP  Noted, The Municipality (Applicant) and/or planners will address service delivery in the EIR. An Engineering Report detailing services infrastructure, will also be included in the EIR.
19	<b>Date:</b> 27/06/2020 <b>Format:</b> Email Letter <b>I&amp;AP:</b> Mietjie Vries (078 058 4838)	Hiermee meld ek aan en wil asseblief deel wees van die ontwikkeling en besprekings asook vergaderings wat gehou gaan word rakende die ontwikkeling in Uitkoms te Groblershoop.  Hiermee stem ek saam dat daar n ontwikkeling in ons gemeenskap plassvind. Dit sal groot verandering maak. Ek will deel wees van die uitbereiding van Uitkoms vir kliniek, kerke en water.	<b>Respondent:</b> EAP  Noted with thanks. As a registered I&AP you will be notified of the release of reports for comment.
20	<b>Date:</b> 27/06/2020 <b>Format:</b> Email Letter <b>I&amp;AP:</b> Melony Lucklick (076 779 9182)	Hiermee meld ek aan en wil asseblief deel wees van die ontwikkeling en besprekings asook vergaderings wat gehou gaan word rakende die ontwikkeling in Uitkoms te Groblershoop.  Hiermee stem ek Melony Lucklick saam dat daar meer ontwikkeling is in Uitkoms en lopende water. Ek verwag dat daar groot verandering plassvind. Ek wil deel wees van die uitbruidings en vergaarderings.	<b>Respondent:</b> EAP  Noted with thanks. As a registered I&AP you will be notified of the release of reports for comment.
21	<b>Date:</b> 01/06/2020 <b>Format:</b> Email Letter <b>I&amp;AP:</b> CG Buys (076 887 8284)	I live on plot 538, Wegdraai, just down the road towards Wegdraai from Opwag. My wife and I are both teachers at the schools in Groblershoop.  I am grateful for the concern to develop land for people to have their own place to live.  However, I am concerned with the quality of life in specifically the area where you plan the development, for the following reasons: - The farming community around Uitkoms already do not provide enough job opportunities for the people living in Uitkoms. It just doesn't make sense to develop land without the prospects of jobs.  - If people living there find jobs elsewhere, transport is a problem. A gravel road serves the community to town which makes transport difficult	<b>Respondent:</b> EAP  Noted.  Noted. Short- and long-term employment opportunities will be addressed by the Municipality (Applicant) and/or town planners in the EIR.  Noted, The Municipality (Applicant) to address in the EIR.

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		<p>for ordinary taxis. At the moment the community is served by private bakkies, because taxis do not want to travel on the gravel road.</p> <p>- Where unemployment thrives, theft, burglaries and many other socio economic problems arise. Is that what we want to create? Surely we want to ensure that communities are developed in areas where there are potential for job opportunities, etc.</p> <p>As teachers, my wife and I wish for the development of our area, but in a responsible way, keeping factors that can be detrimental to the long term wellbeing of all stakeholders in mind. Since you do not live here, I hope you listen to all parties involved that make a life and living here.</p>	<p>Noted, the Municipality (Applicant) and/or planners will address safety and security in the EIR.</p> <p>Noted. Thank you for your relevant input and comments raised. This application for Environmental Authorisation is in line with the National Environmental Management Act (NEMA).</p>
22	<b>Date:</b> 21/05/2020 <b>Format:</b> Email Letter <b>I&amp;AP:</b> Deon Rossouw (0798816459) <a href="mailto:(drossouw7@gmail.com)">(drossouw7@gmail.com)</a>	<p>I am a plot owner next to Plot 2642, Opwag Groblershoop, and received and Nema PPR information letter yesterday.</p> <p>I would like to register as and Interested and Affected party, since I lay right next to the above mentioned Plot.</p> <p>My details are:            Stands 584, 585, 2067, porion 27 and 1621.            The owner is my wife Wanda Rossouw            My telephone number is 079 8816 459.</p> <p>Can you please sent me all relative info?</p> <p>Regards,            Deon Rossouw</p>	<p><b>Respondent: EAP</b></p> <p>Noted. You have been registered as an I&amp;AP.</p>
23	<b>Date:</b> 29 <sup>th</sup> June 2020 <b>Format:</b> Email Letter <b>I&amp;AP:</b> Maryna Heese	<p>We Daniel, Friedrich Johan Heese of ID 5804195040084 and Maryna Heese of ID 5910030127083 owners of Lot 586 and 1464, part of Lot 1028 of the Boegoeberg Settlement, would like to register as Interested &amp;Affected Parties regarding the proposed Township Development.</p> <p>We would like to affirm our personal and financial interest in the development.</p>	<p><b>Respondent: EAP</b></p> <p>Noted. You have been registered as an I&amp;AP.</p>

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		<p>Kindly contact us on the following e-mail addresses: <a href="mailto:marynaheese@gmail.com">marynaheese@gmail.com</a> and <a href="mailto:dh58zar@gmail.com">dh58zar@gmail.com</a>. This is our preferred avenue of communication.</p>	
24		<p>As Interested and Affected individuals we like to comment on the new Township referenced above.</p> <p>Your company name allowed me to have hope that behind this new development we might find a group of people that earnestly are interested in developing a sustainable environment. The words in quotation marks come from a study of the use of earth-pipes to cool air.</p> <p>"Rational use of energy and power is a key to the economic development of human society and to achieve sustainable environment."  <a href="https://www.sciencedirect.com/science/article/pii/S1876610214032664">https://www.sciencedirect.com/science/article/pii/S1876610214032664</a></p> <p>Some areas for consideration is cooling and heating of houses in an area known for very hot summers and very cold winters. If the energy exerted in digging trenches for pipes, that will form part of the water reticulation infrastructure can double up for eco-friendly earth cooling and heating systems as explained in the above link, it can be a worthwhile economic model. I am hoping that an overarching management function will form part of the project and that all these elements of development can be co-ordinated, overseen and all opportunities to incorporate cost-effective and ecologically sustainable solutions utilized. For example, when the foundations for homes are being dug, the alternative cooling systems installed. Boegoeberg development can become a pilot project for arid community development.</p> <p>Parks, Sport and recreational space, bigger plots and proper roads are some other concerns. I do not have any experience in the above, but do have experience in waterless sanitation options. I have compiled some thoughts, experience from others and links pertaining to waterless sanitation for your consideration.</p> <p>Do forgive me if the sanitation document is far too simplistic or lay-men orientated, but I have no idea who will read this letter and the document.</p>	<p><b>Respondent: EAP</b></p> <p>Noted with thanks. This application for Environmental Authorisation is in line with the National Environmental Management Act (NEMA).</p> <p>Noted. Thank you for your research into the subject. An Engineering Report detailing services infrastructure, will also be included in the EIR.</p> <p>Noted, this will be addressed by the Municipality (Applicant) and/or town planners in the EIR.</p>

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		<p>Interested and Affected Individuals, from lot 586/and 1464 that form part of lot 1018, as part of the Boegoeburg Community, one of the closest lots to the new proposed Township.</p> <p>Kind regards Daniel and Maryna Heese</p>	
25		<p>Regarded members of the Municipality,</p> <p>Re. Toilets</p> <p>I would like to share some thoughts with you regarding the proposed new development.</p> <p>1. TOILETS. We live in a water-scarce country and the water-sources needed to have flush toilets is simply not sustainable in the long run. I have been involved with a KZN NGO in a deep rural area of South-Africa in the Umkhanyakude District. We also have severe water challenges. We in collaboration with Oxfam Australia experimented with alternatives to Flush toilets and Long-Drop Pit latrines. That was my first introduction in waterless technology. We tested two models, one a commercial self-contained unit from Enviro-loo (pictured below) that was costly and a combination of a urine-diversion seat with self-constructed chamber options. I am happy to share our limited experience with you, but highly recommend the far superior functioning model for thousands of people, that can be found with Durban Municipality (eThekwin Municipality). They had been busy with waterless sanitation technology for over 12 years. I have supplied links to websites that explain technically on various levels, <b>the challenges faced with introduction</b>, the success and the research done with various options. So I have pasted both the success and failures and the reason for the failures.</p> <p>2. I will attempt to explain in layman's terms the principle behind different sanitation systems.</p> <ul style="list-style-type: none"> <li>• In pit latrines the urine and faeces are mixed and seepage into the groundwater a reality. Apart from its environmental danger, it is often times not accepted as an option and seen as an insult to a person's</li> </ul>	<p><b>Respondent: EAP</b></p> <p>Noted with thanks. The Municipality (Applicant) and/or planners will address service delivery in the EIR. An Engineering Report detailing services infrastructure, will also be included in the EIR.</p>

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		<p>humanity. The aspiration of the average person is for a flush toilet as shown in some or the articles in the websites quoted.</p> <ul style="list-style-type: none"> <li>• Flush toilets in a water-scarce country is not a long term solution in any community and all communities should re-consider the cost of using cleaned water to flush toilets.</li> <li>• Ablution blocks for communal use of facilities is not an option. Most people would not feel safe to walk to a communal ablution at night and I personally feel that dealing with your own bodily waste and household waste makes us responsible humans.</li> <li>• Urine separating systems. An extract from a document</li> </ul> <p>The UDDTs provide the following benefits: (1) waterless operation; (2) no odour when correctly used and maintained; (3) treated faecal matter is dry, odourless and less offensive; (4) does not attract flies or other vectors; (5) treated faecal matter is partially sanitised and safer to handle; (6) aboveground design or use of containers in belowground vaults makes emptying simple; (7) minimal risk of contamination of ground and surface water resources; (8) possibility of aboveground design facilitates construction in challenging environments; and (9) possibility of construction in close proximity to or inside of the home adds security and convenience for users (Rieck <i>et al.</i> 2012). <a href="https://iwaponline.com/washdev/article/7/1/111/30518/Urine-diversion-dry-toilets-in-eThekwin">https://iwaponline.com/washdev/article/7/1/111/30518/Urine-diversion-dry-toilets-in-eThekwin</a></p> <p>URINE SEPARATING TOILETS. This is the system I would like to propose.</p> <p>Separating urine from faeces allows the faeces to <b>dry out completely, killing pathogens (harmful micro-organisms) and make it manageable</b>. The faeces dries like dog poop in the sun and becomes small and brittle and whitish. Because it is a waterless system, water is used for household and garden growing.</p> <p>There are various methods to separate urine and faeces.</p> <p><b>1. ENVIRO-LOOS</b></p>	

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		<p>The <b>Enviro loos</b> system allow both urine and faeces to enter the chamber together and then the content falls on a sloped perforated surface...a hard plastic sheet with holes at an angle, that allows the urine to seep through the holes into the bottom enclosed chamber, with a pipe that leads to a urine soak-away pit nearby. The faeces then dries out, needs to be raked to the back of the box from time to time and then the hard dry faeces needs to be collected after a year or more to be disposed of. The challenge with this system is that the holes can block and the angle is not steep enough for the faeces to slide down. They remain wetter longer and there is an extraction fan at the top of the chimney to eliminate most smells.</p> <p>It needs a <b>full sun site</b>, <b>additional power for the extraction fan</b> and people living higher might still get a whiff from the extraction fans, but the biggest deterrent is possibly the <b>cost, it is more expensive</b>. It is the best application for schools and community halls as seen in the photo below. The two glass tops are for the urinals. It is a very good method of coping with the urine. The urine dries into crystals.</p> <p><a href="https://www.greenloo.org/enviro-loo-urinal.php">https://www.greenloo.org/enviro-loo-urinal.php</a></p> <p><b>2. URINE SEPERATION TWO CHAMBER SYSTEM</b></p> <p>a. An attempt is made to <b>separate urine from faeces before the faeces drops down</b> the seat. It is important for the success and acceptance of the systems to buy white high <b>quality urine separation pedestals/seats</b>. As can be seen in the photo below the system can be incorporated into the bathroom. It is advised to incorporation of a urinal against the wall in the blue bathroom picture as well. The urine can be collected in the same container the seat urine is diverted to.</p> <p>b. <b>Build a two chamber system.</b> Faeces are collected in one chamber until it is full, the seat is then removed and placed over the new empty chamber. The seal of the empty chamber is placed over the full chamber. The full chamber is left like it is until the second chamber is almost full. By now the faeces should be dried out. The dried out faeces is accessed through the sealed back wall and either disposed of or ground up and</p>	

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		<p>used as fertilizer in agricultural applications. The municipality can collect and dispose of the dried faeces.</p> <p>c. The selection of the site: It is vital for the optimal drying of the faeces that the back wall of the bathroom <b>unit face North</b>. To increase the absorption of the sun rays the back panel and the chimney should be painted black or be manufactured from hard black plastic. Place a mosquito net above the chimney. The bigger the chimney the greater the up draft and reduced smell.</p> <p>d. The <b>urine can be diverted to a soak away, or a solar evaporation</b> site similar to the environ system or utilized in a diluted form in agriculture. It is important to be aware of the hesitance of local communities to use human waste in any form as part of a greater agricultural system and extensive community awareness activities should accompany such use.</p> <p>e. By placing a <b>bucket of sand, ash or sawdust</b> next to the toilet with a little scoop, visual unpleasantness and smell will be further reduced. In addition, the material like ash or sand can accelerate the drying time.</p> <p>f. Should flies find their way into the system, they would try to get out and the only light will be at the top of the chimney that is sealed with a mosquito net. The <b>flies will then fly up and down the chimney until they die</b>. It is highly unlikely if the seat remains closed.</p> <p>In the image above the toilet stool is a porcelain seat, that can also stand on its own, going straight downward without the u-trap of standard toilet seats. To the right on the photo is a urinal, for the use of men, with an outlet that joins the urine caught with the separate division in the seat. This photo was sourced form <a href="https://en.wikipedia.org/wiki/Urine-diverting_dry_toilet">https://en.wikipedia.org/wiki/Urine-diverting_dry_toilet</a> an example from Peru.</p> <p>This is what a urine separation seat can look like. The front chamber catches the urine and the dark blue is where the faeces drops down into the chamber. In this photograph there is a division that is not there. It is a pipe that have straight sides.</p>	

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		<p>This is local, South-African manufactured urinals on the market. It is advisable that the pipes should take the shortest route out, but protected from sun and damage.</p> <p>Additional resources:</p> <p>1.<a href="http://www.wrc.org.za/wpcontent/uploads/mdocs/Demonstrating%20New%20Sanitation%20Solutions%20through%20the%20Engineering%20Field%20Testing%20Platform%20in%20eThekwini.pdf">http://www.wrc.org.za/wpcontent/uploads/mdocs/Demonstrating%20New%20Sanitation%20Solutions%20through%20the%20Engineering%20Field%20Testing%20Platform%20in%20eThekwini.pdf</a></p> <p>This is a very comprehensive study for waterless Sanitation options as done in eThekwni (DURBAN)</p> <p>2. <a href="http://www.susana.org/_resources/documents/default/2-874technology-review-of-uddts-18-june-2013.pdf">http://www.susana.org/_resources/documents/default/2-874technology-review-of-uddts-18-june-2013.pdf</a></p> <p>A comprehensive document filled with options and diagnostic fault finding.</p> <p>3.<a href="https://iwaponline.com/washdev/article/7/1/111/30518/Urinediversion-dry-toilets-in-eThekwini">https://iwaponline.com/washdev/article/7/1/111/30518/Urinediversion-dry-toilets-in-eThekwini</a> Introduction challenges faced in eThekweni ( Durban)</p> <p>4.<a href="http://ccaa.irisyorku.ca/2011/07/flushing-out-the-realities-of-urine-diversion-toilets-in-south-africa%E2%80%99s-ethekwini-municipality/">http://ccaa.irisyorku.ca/2011/07/flushing-out-the-realities-of-urine-diversion-toilets-in-south-africa%E2%80%99s-ethekwini-municipality/</a></p> <p>5. <a href="https://researchspace.csir.co.za/dspace/handle/10204/839">https://researchspace.csir.co.za/dspace/handle/10204/839</a></p> <p>6. <a href="https://www.fsmtoolbox.com/assets/pdf/269_-_Complete.pdf">https://www.fsmtoolbox.com/assets/pdf/269_-_Complete.pdf</a></p> <p>7. <a href="https://www.greenloo.org/enviro-loo-urinal.php">https://www.greenloo.org/enviro-loo-urinal.php</a></p>	