



**water & sanitation**

Department:  
Water and Sanitation  
**REPUBLIC OF SOUTH AFRICA**

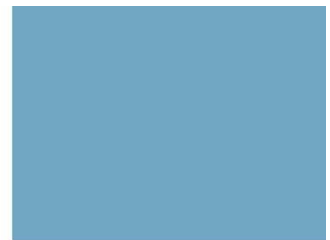
REPORT NO:  
P WMA 15/Q92/00/2113/24

# **PROPOSED DEVELOPMENT OF FOXWOD DAM**

## **SCOPING REPORT (DRAFT)**

### **COMMENTS AND RESPONSE REPORT**

**May 2015**



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## 1 INTRODUCTION

This Comments and Response Report summarises the issues and queries raised, as well as statements made, by Interested and Affected Parties (I&APs) through correspondence received (including completed Reply Forms and Comments Sheets, letters, faxes and emails) and discussions at meetings during the **Scoping** phase of the Environmental Impact Assessment (EIA) for the proposed development of Foxwood Dam. This report also attempts to address the comments through responses and input provided by the relevant members of the project team.

The Scoping phase serves to identify and prioritise issues for further assessment during the EIA phase. Accordingly, the comments received from I&APs during public participation as part of Scoping will be afforded due consideration and will be investigated further during the pending EIA stage, as required.

When reviewing the Comments and Response Report, please take cognisance of the following:

- ❖ It is acknowledged that the project team may not necessarily be in a position to thoroughly address all the comments raised, as the EIA is only in the Scoping Phase. As is the nature with the EIA process, a better understanding of the impacts and the concomitant mitigation thereof, will only ensue in the EIA phase following the execution of specialist studies. As part of the Technical Feasibility Study there is also an on-going refinement of the project infrastructure and alternatives, which may only come to the fore during the EIA phase. Where necessary, the Comments and Response Report will evolve and the responses will be updated or expanded upon as new information becomes available.
- ❖ The two primary sources of comments that were received to date are (1) correspondence and (2) meetings.
- ❖ The following project team members responded to the comments received during meetings (refer to minutes of meetings):

Name	Affiliation	Role
S. van Jaarsveld	Department of Water and Sanitation	Applicant
J. Bristow	Arup	Technical Team
D. Henning	Nemai Consulting	Environmental Assessment Practitioner

- ❖ A number of key issues were echoed by various I&APs. In these instances where related issues were raised multiple times, a reference is provided to the comment number where the associated response is recorded.
- ❖ Where necessary, additional information from the project team was included in certain responses that were provided to comments raised during meetings. This was done to allow for these comments to be addressed in greater detail.
- ❖ This report does not necessarily provide verbatim comments from meetings, but rather reflects the essence of the discussions held with I&APs.

**2 COMMENTS AND RESPONSES – PROJECT ACCOUNCEMENT PHASE**

No.	COMMENT / QUERY / ISSUE	RAISED BY	SOURCE	RESPONSE
1.	<ul style="list-style-type: none"> <li>We would want to supply aggregate materials for the project – concrete, stones, gravel, etc.</li> <li>Full EIA process is complete &amp; mining permit has been issued.</li> <li>African mobile crushers – Mr Warwick Hughes 051 522 8652</li> <li>We are situated 6 km south of Adelaide and the site is easily accessible.</li> </ul>	Bennett Pringle	Reply Form (04/03/2015)	Provision is made for borrow pits and a quarry in the overall development. However, option of sourcing aggregate from an external source will be considered further.
2.	<ul style="list-style-type: none"> <li>Saxfold Trust is riparian on the Koonap River and a licensed water user below the site of the proposed dam. It cultivates 80 ha of citrus and provides livelihoods for at least 100 employees. Proposed scheme must not threaten the existing operation.</li> <li>Licensed riparian Koonap River water users.</li> <li>I am supportive of the dam and happy to pay commercial rates for water both currently in use and further development. However, would oppose any restriction on current licensed use.</li> </ul>	Jock E Danckwerts	Reply Form (06/03/2015)	As part of the Technical Feasibility Study allowance was made for all existing licensed water use upstream and downstream of the proposed dam. However, as part of the development of the water resource of the Koonap River, it is anticipated that a full review of water allocation would be carried out by DWS.
3.	What is the real need for the dam?	Dr Nikite Muller (Amatola Water)	Reply Form (09/03/2015)	<p>The motivation for the project stems from the strategic initiative to mobilize the water resources in the area as a stimulus for socio-economic development in this rural, economically depressed region. This initiative would support the objectives of the National Development Plan (NDP) and is consistent with the National Water Resource Strategy 2 (NWRS2).</p> <p>Development of the Foxwood Dam would, in the first instance, provide additional, high assurance water supplies for domestic use; this would significantly improve the resilience of the limited supplies now available from the Koonap River without the benefit of storage, and would make water available to meet any increasing needs for domestic, municipal and industrial use.</p> <p>The effective development of a major storage dam at the Foxwood site would regulate the variable runoff in the Koonap River to the extent that, after full provision is made for maintaining the Reserve to ensure the health and integrity of the resource itself, a significant quantity of water</p>

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				would be made available for irrigation development at an appropriate level of assurance. It is this resource that would be mobilized, together with land and human resources in the region, to provide a stimulus for socio-economic development. This vision is assessed in the context of agricultural development, land reform and rural development policies within the framework of the NDP.
4.	Does Adelaide / Nxuba LM / ADM have a Water Conservation and Water Demand Management plan that is actively implemented and rigorously pursued?	Dr Nikite Muller (Amatola Water)	Reply Form (09/03/2015)	<p>The Technical Feasibility Study assessed the capability of existing water supply systems to provide Adelaide's current and projected domestic water demand and discussed the options for developing these supply schemes where required to improve their resilience and ability to contribute to Adelaide's water requirements.</p> <p>The above study noted that ADM are actively addressing Water Conservation and Water Demand Management shortcomings and interventions in and around Adelaide. Further work to address the issues raised in a recently completed ADM study should be carried out to significantly reduce the imbalance between water resources and water demand. The focus of this work should be on retrofitting plumbing in the townships around Adelaide and replacing of old water reticulation in Adelaide Town.</p>
5.	The BID talks to the need for the dam for irrigation development, but then goes on to state that the EIA for the irrigation is a completely separate process that has not even commenced. Is it possible or likely that the desirability or need for the irrigation water could fall away, thus negating the need to construct a dam? What happens if the potential impact of the increased irrigation has such severe negative environmental consequences (particularly in-stream water quality consequences) that it is not given the go-ahead?	Dr Nikite Muller (Amatola Water)	Reply Form (09/03/2015)	<p>The need for the project is rooted in the proposed Government Irrigation Scheme within the Koonap River valley downstream of the proposed Foxwood Dam, which needs to be taken forward by an appropriate Implementing Agent such as the Eastern Cape Rural Development Agency (ECRDA). Although this scheme is excluded from the EIA, the Technical Feasibility Study (including associated engagements that took place with the relevant government departments and stakeholders) provided the necessary footing for this venture to be pursued further.</p> <p>As the proposed dam and irrigation development are intrinsically linked, it is assumed that DEA may consider issuing a conditional Environmental Authorisation that is dependent on the feasibility of the irrigation development.</p>

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6.	Have the Ecological Water Requirements been taken into account? Both in the design of the dam as well as consequences of the dam as well as reduced water availability, or reduced water quality as a result of changes to land-use catchment practices (i.e. irrigation).	Dr Nikite Muller (Amatola Water)	Reply Form (09/03/2015)	The EWR for two reserve sites were determined as part of the Technical Feasibility Study (Koonap River: Resources unit delineation and identification of Hotspots Report, Rivers for Africa, 2013). This intermediate level study identified the Recommended Ecological Category as a C-category at both EWR sites, which is the same as the Present Ecological State.
7.	<ul style="list-style-type: none"> <li>What is the real need for the dam?</li> <li>Does Adelaide / Nxuba LM / ADM have a Water Conservation and Water Demand Management plan that is actively implemented and rigorously pursued?</li> <li>The BID talks to the need for the dam for irrigation development, but then goes on to state that the EIA for the irrigation is a completely separate process that has not even commenced. Is it possible or likely that the desirability or need for the irrigation water could fall away, thus negating the need to construct a dam? What happens if the potential impact of the increased irrigation has such severe negative environmental consequences (particularly in-stream water quality consequences) that it is not given the go-ahead?</li> <li>Have the Ecological Water Requirements been taken into account? Both in the design of the dam as well as consequences of the dam as well as reduced water availability, or reduced water quality as a result of changes to land-use catchment practices (i.e. irrigation).</li> </ul>	Siegfried Rousseau (Amatola Water)	Reply Form (09/03/2015)	<i>Refer to responses in items no. 3 – 6.</i>
8.	<p>a) Existing water rights to be affected. Extraction points and weirs to cover by proposed water levels. To what extent is land going to be bought out. How far from 100% flood level.</p> <p>b) Other concerns will be addressed as and when the negotiations start regarding the water levels and access to water.</p>	Antonie MM Moolman	Reply Form (09/03/15)	<p><i>Refer to response in item no. 2 regarding existing licensed water use.</i></p> <p>All existing infrastructure and structures that will be affected by the project will be identified as part of the EIA.</p> <p>The following land is required for constructing and operating the proposed works:</p> <ul style="list-style-type: none"> <li>Land inside Foxwood Dam's purchase line as well as land required for appurtenant works;</li> <li>A servitude is required for the maintenance and the right to provide water for the raw water pipeline ; and</li> <li>Land required for housing and other infrastructure</li> </ul>

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				<p>required for the operation of the scheme.</p> <p>The negotiations with the landowners for the registration of the servitudes or acquisition of land will be undertaken by DWS, which will include the appointment of a land valuer. This process, which does not form part of the EIA, will adhere to all statutory requirements.</p> <p>DWS determines the land to be acquired for state-owned dams, known as the Purchase Line, based on the following factors:</p> <ul style="list-style-type: none"> <li>• The Full Supply Level (FSL);</li> <li>• The natural 1:100 year floodline for the portion of the river to be inundated;</li> <li>• The expected volume of silt to be deposited over a 50 year period in the dam, as well as the profile thereof;</li> <li>• The 1:100 year backwater profile (1:100 year high flood level) for the proposed dam, taking the 50 year sediment into account;</li> <li>• The point of no influence of the proposed dam; and</li> <li>• Add a buffer strip to the backwater profile for the 1:100 year recurrence interval. This buffer strip is the greater of the horizontal distance for a height of 1,5 m above the 1:100 year recurrence interval backwater level or 15 m horizontally from the 1:100 year recurrence interval backwater level.</li> </ul> <p>The preliminary purchase line for Foxwood Dam is shown in the Scoping Report.</p>
9.	c) Construction of bridges and access roads, the way in which this will affect the opening of roads as well as possible dust levels as we have the expert fruit that can be affected.	Antonie MM Moolman	Reply Form (09/03/15)	A Traffic Impact Assessment will be conducted in the EIA phase. Provision will be made in the Environmental Management Programme (EMPr) for mitigating traffic and associated impacts. Best practices to be employed in this regard.
10.	Are you aware of any Telkom infrastructure that could be affected?	Vincent Lekoma (Telkom)	Email (10/03/2015)	Yes, a Telkom line will be affected by the dam's basin and will need to be relocated. Please advise what additional information you will need, as well as Telkom's conditions and requirements.



No.	COMMENT / QUERY / ISSUE	RAISED BY	SOURCE	RESPONSE
				<i>Map and further details of telephone line deviation provided in the Scoping Report.</i>
11.	Will the road past Foxwood still be able to be used?	TG King	Reply Form (12/03/2015)	<p>The following two public roads will be inundated by the Foxwood Dam reservoir:</p> <ul style="list-style-type: none"> <li>Approximately 2 km of the R344 (MR00638), which connects Adelaide and Tarkastad (including two bridges); and</li> <li>Approximately 1 km of the MR00639, which provides a connection from the R63 to the R344.</li> </ul> <p>The proposed re-alignment of these roads is shown in the Scoping Report.</p> <p>The relocation of the MR00639 may not be justified, as it will be very expensive and is not often used, based on feedback from the Eastern Cape Department of Roads and Public Works (ECDRPW). The specialist will need to conduct traffic counts as part of the Traffic Impact Assessment (EIA Phase) and provide a specialist opinion on the need to relocate this road.</p>
12.	The dam will be the catalyst for development of Adelaide and Koonap Valley.	Chris Louw	Reply Form (16/03/2015)	The motivation for the project stems from the strategic initiative to mobilize the water resources in the area as a stimulus for socio-economic development in this rural, economically depressed region.
13.	a) <b>Land Issues.</b> The area that will be affected by the dam both during construction and what will be under water, is mostly land owned by us i.e. Woodland Farms Partnership. What is the full extent of the area that will be affected before, during and after construction? What will be expropriation / compensation procedures? It must be noticed that loss of use of the land both before and after will impact negatively on our profitability as a farming venture. I know that the plan is to expropriate all / most of the irrigable land downstream of the dam to enable emerging farmers to farm. I would like to be noted that if more downstream land is expropriated from us well, this would not only be unfair but basic ally render our operation unviable.	Anne Knox	Letter (17/03/2015)	<p><i>Refer to the following responses:</i></p> <ul style="list-style-type: none"> <li><i>Item no. 2 regarding the acquisition of land that is required for the project; and</i></li> <li><i>item no. 5 regarding the way forward with regards to the irrigation development.</i></li> </ul> <p>Note that the land necessary for the irrigation development will be acquired by the appropriate Implementing Agent, as it does not form part of DWS's mandate.</p> <p>Detailed maps of project footprint provided in the Scoping Report.</p>



No.	COMMENT / QUERY / ISSUE	RAISED BY	SOURCE	RESPONSE
				Agricultural Impact Assessment and Socio-economic Impact Assessment do be conducted in the EIA phase to assess some of the impacts further.
14.	b) <b>Water Rights.</b> Who will have water rights? Who will be the water management board and how will they be elected? How much water will the parties be allowed and how will the cost be calculated?	Anne Knox	Letter (17/03/2015)	<i>This forms part of the irrigation development, which needs to be assessed through a separate EIA and Water Use Authorisation process. To be discussed further in the EIA phase.</i>
15.	c) <b>Dam access/usage for recreational/tourism purposes.</b> Who will manage this aspect of the dam and how will it be enforced? What will be the public access? A large part of the eastern dam frontage will be on our land. Will we be allowed access for boating, fishing etc.? Would we be allowed to develop a tourism facility if we wanted to in the future? Who will be wielding the power to make those decisions?	Anne Knox	Letter (17/03/2015)	A Government Waterwork refers to a waterwork (e.g. water storage dams, water transfer schemes and flood attenuation works) owned or controlled by the Minister of Water and Sanitation and includes the land on which it is situated. The future use of the Foxwood Dam, as a Government Waterwork, will be detailed in a Resource Management Plan (RMP) which will be compiled by the relevant unit within DWS. This plan will take into consideration aspects highlighted to date in the EIA process, such as the access to and utilisation of the dam for recreational purposes. The District Municipality and Local Municipality may include the tourism potential of the dam in their respective Integrated Development Plans and Spatial Development Frameworks, which may further drive this initiative.
16.	d) <b>Flora and Fauna.</b> This is as much as a concern. As you know the area that will be affected by the dam is a Valley Bushveld biome with lots of spekboom, aloes and many other highly adapted succulents, bushes and trees. I feel that there is a real job creation possibility here if a nursery could be developed, not only to hold the plant rescue operation but also for plant propagation so that this could be a long term viable business. There is already a lot of local expertise in plant rescue in the area with experience acquired during the wind farm projects. I would like the opportunity to become involved in this as I do think that properly done it could provide a good number of permanent jobs.	Anne Knox	Letter (17/03/2015)	<p>A Terrestrial Ecological Study will be conducted in the EIA phase, which will include (amongst others):</p> <ul style="list-style-type: none"> <li>• Baseline biodiversity survey;</li> <li>• Assessment of the current ecological status and the conservation priority within the project footprint; and</li> <li>• Sensitivity study to identify protected and conservation-worthy species. Assess impacts to fauna and flora, associated with the project.</li> </ul> <p>The following EMPs (amongst others) will be developed as further information becomes available during the implementation of the project:</p> <ul style="list-style-type: none"> <li>• Search, Rescue and Relocation Management Plan for red data, protected and endangered species, medicinal plants, heritage resources and graves; and</li> <li>• Rehabilitation Management Plan for disturbed areas outside of the dam inundation area.</li> </ul>

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				<p>Permit(s) will be obtained under the National Forests Act (No. 84 of 1998) if protected trees are to be cut, disturbed, damaged, destroyed or removed. The project footprint will attempt to avoid protected trees, where possible.</p> <p>Contact was made with Kim van Niekerk, who is a local specialist in plant search and rescue, as well as rehabilitation. Use of local specialists will be promoted in the EIA, however, this will be at the discretion of the Contractor.</p>
17.	e) <b>Weir.</b> There is an existing, very beautiful historical old stone weir across this river. It was built in 1901 and has amazingly survived countless floods intact. [I have full history if you need it] Are there any plans to relocate this or salvage the dressed stone? The furrows leading from it were damaged in the last big flood we had but we are in the process of repairing them. Will there be compensation for this structure?	Anne Knox	Letter (17/03/2015)	<p>A Heritage Impact Assessment will be conducted during the EIA phase, which will also take into consideration the old weir structure.</p> <p>A permit will be required to alter or demolish any structure or part of a structure that is older than 60 years as protected under section 34 of the National Heritage Resources Act (Act No. 25 of 1999).</p> <p>Compensation will form part of the negotiations in the Implementation Phase with the land valuer.</p>
18.	a) South Africa is a water shortage country and any dam to be built should be to a maximum size irrespective of whether it is for irrigation or any other reason-this water or any majority of it will be for human consumption. The bulk of the Fish River will possibly go to Port Elizabeth and then Grahamstown and possibly Port Alfred/Kenton could be supplied from Foxwood.	Dudley Long	Reply Form (18/03/2015)	<p>As part of the Technical Feasibility Study the water requirements were assessed in the immediate vicinity of the proposed dam site, outside Adelaide, as well as the requirements for water in the wider potential supply area in and around the Koonap River Valley.</p> <p>A 30-year projection was used for the estimation of future domestic water requirements for Adelaide. For reference, it is noted that a 1 MAR dam at the proposed Foxwood Dam site would have a yield of 11,3 million m<sup>3</sup>/a at a 1:100 year assurance.</p> <p>The Foxwood dam's influence for the bigger Fish River was also investigated but due to the fact that the Foxwood Dam is so high in the catchment the direct influence in the Fish River is insignificant. Much of the existing allocated water within that is transferred from the Orange River to the Fish</p>

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				River goes un-used. The distance of the Foxwood Dam site from the Fish River confluence (approximately 150 km) limits the water quality impact the Foxwood Dam can have on the Fish River.
19.	b) Scrap the relocation of the existing canal – enough money has already been wasted on this project which was designed for Adelaide in 1931!	Dudley Long	Reply Form (18/03/2015)	Amatole Water is the custodian of the canal and the requirements for the relocation of this structure were identified in consultation with this party. The canal has the potential to provide continuous gravity fed water supply to Adelaide. Replacing of the canal with only the possible pumped supply from Foxwood Dam would incur ongoing electricity costs in the future.
20.	c) Scrap the alignment of the road MR00639 because the length of the bridge where it crosses the dam is about the same length as the dam wall, so put the road over the dam wall or scrap it altogether as it does not have a great deal of traffic over it.	Dudley Long	Reply Form (18/03/2015)	<i>Refer to response in item no. 11 regarding the scope of the Traffic Impact Assessment.</i>
21.	d) The pipeline from Foxwood into present pipeline should rather go to the existing dam as a backup supply in case there is a breakdown with the pump.	Dudley Long	Reply Form (18/03/2015)	It is anticipated that the existing canal system and Adelaide Dam will continue to be the primary source of domestic water for Adelaide. A pumping system and pipeline from the proposed Foxwood Dam may only be constructed in the event that there is significant future growth of water requirements in Adelaide. Pumping from the Foxwood Dam to the Adelaide Dam is not preferred as this will increase evaporation losses.
22.	e) For the irrigation downstream it would be advisable to pipe the water to save water through evaporation in times of severe drought and to have non-polluted water (fertilizer through leaching) and further downstream water would be under pressure and save electricity costs.	Dudley Long	Reply Form (18/03/2015)	Run-off river abstraction was investigated as it is the most cost effective solution and also makes best provision of water to satisfy the Ecological Water Requirements immediately downstream of the dam.
23.	f) I used to farm citrus above the proposed dam where my son now farms-I am retired but concerned how little people think of the future.	Dudley Long	Reply Form (18/03/2015)	Noted.
24.	I wish to put my name forward as an interested an affected party in the above project. I have an earthmoving Plant hire co. I am situated in Bedford 22 km from the proposed site.	Geoff Mack	Email (19/03/2015)	The EMPr will make provision for the Contractor to establish a local SMME recruitment preference policy.  Use of local enterprises will be promoted in the EIA, however, this will be at the discretion of the Contractor and SMMEs will need to participate in the tender process.
25.	I am writing to you on advice of Anne Knox who said we should get in	Kim van	Email	<i>Refer to response in item no. 16 regarding the Terrestrial</i>

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	<p>touch with you regarding our services we offer here in the Bedford / Adelaide district. Attached please find our company profile.</p> <p>We have been involved in 3 windfarm projects now and have done plant search and rescue on them and are also now offering other services including hydroseeding, alien plant eradication, soil stabilization, jute matting application, rehabilitation etc.</p> <p>I will be at the meeting in Adelaide on Tues this coming week where I hope to meet you.</p>	Niekerk	(22/03/2015)	<p><i>Ecological Study.</i></p> <p>Use of local specialists will be promoted in the EIA, however, this will be at the discretion of the Contractor.</p>
26.	<p>Enquired about the location of the alternative quarry site.</p> <p>Noted that during the EIA for a new quarry the local farmers had opposed the development and stopped the development thereof.</p>	A Ballantyne	Public Meeting (24/03/2015)	J Bristow explained the approximate locality. It was confirmed that the site is situated on the Kaga road.
27.	Asked why the government departments were not present at the public meeting.	R Crossman	Public Meeting (24/03/2015)	D Henning explained that a dedicated meeting had been scheduled for 25 March 2015 with those government departments with specific mandates in terms of the governance of the project. This included regulatory and commenting authorities.
28.	Enquired whether the municipal revenue generation associated with the proposed project had been calculated.	S Mana	Public Meeting (24/03/2015)	J Bristow noted that this information was not available. S van Jaarsveld indicated that the project needed to be included into the future planning of the municipality, such as the Integrated Development Plan. D Henning suggested that this matter be considered further by the project team.
29.	Recommended that the Daily Dispatch also be used in the future for EIA related notices.	S Mana	Public Meeting (24/03/2015)	D Henning explained that the regional and local newspapers that had been used were identified in consultation with local members of the community. Recommendation noted and will be considered further.
30.	Asked if the tourism potential of the proposed dam had been considered. It was noted that the economic impact assessment has only considered direct, indirect and induced job creation and economic activity related to the primary activities of dam construction and implementation of the proposed irrigation scheme.	S Mana	Public Meeting (24/03/2015)	S van Jaarsveld noted that a different unit within DWS will conduct a process to determine the recreational potential of the dam and to develop a Resource Management Plan. The potential economic benefit of potential tourism and recreational opportunities would be assessed at this later stage but it was also added that the LM and DM must include the tourism potential in their IDP, SDF and WSDP.
31.	Noted that he used the MR00639 to move his livestock between grazing areas located in the north and south.	G King	Public Meeting (24/03/2015)	D Henning indicated that this needed to be assessed further as part of the EIA.

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				<i>Refer to response in item no. 11 regarding the scope of the Traffic Impact Assessment.</i>
32.	Enquired what the new cost of water would be per hectare for farmers downstream of the dam with existing water rights.	A Ballantyne	Public Meeting (24/03/2015)	J Bristow explained that as part of the Feasibility Study allowance has been made for all existing licensed water use upstream and downstream of the proposed dam. However, as part of the development of the water resource of the Koonap River, it is anticipated that a full review of water allocation would be carried out by DWS. D Henning suggested that a formal response in this regard be provided to the Adelaide Farmers Associations.
33.	Asked whether land would be set aside at the dam for emerging farmers.	M Locket	Public Meeting (24/03/2015)	S van Jaarsveld noted that portions of land had been identified downstream of the dam as part of the Feasibility Study to allow for commercial farming by emerging farmers. This forms part of the irrigation development and the appropriate government department will need to pursue this component of the project further.
34.	Asked whether the canals downstream of the proposed dam would be affected by the project.	S Cockroft	Public Meeting (24/03/2015)	One furrow – supplied from the brick weir immediately upstream of the proposed dam location – will be affected. Subject to further study and review of water licenses, this will require provision in the dam wall outlet works to maintain supply to this furrow following dam construction. No other furrows have been identified in the immediate area of the dam wall and reservoir.
35.	Wanted to know if the abstraction weirs downstream of the proposed dam would be affected.	L van der Meulen	Public Meeting (24/03/2015)	D Henning indicated that the formal response from DWS would also need to address this query.  Provision to be made in the EMP to manage impacts to the watercourse.  Long term operation of the weirs downstream of the dam should not be affected.
36.	Asked whether the furrow below the dam site would be affected.	C Muir	Public Meeting (24/03/2015)	<i>Refer to response in No.34 above.</i>
37.	Requested a copy of the presentation.	G Sgwabe (DAFF)	Authorities Meeting (25/03/2015)	D Henning indicated that the environmental component of the presentation was included in the handouts provided at the meeting. A condensed copy (due to size constraints) of the presentation would be appended to the minutes and

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				would also be uploaded to the project website.
38.	Requested clarification regarding the positioning of the dam wall site in relation to a photograph shown during the presentation.	D Malgau (DAFF)	Authorities Meeting (25/03/2015)	D Henning explained the location of the site in relation to the meeting venue and R344. S van Jaarsveld further explained the location from where the photograph of the dam site had been taken, which was on the left bank looking downstream.
39.	Enquired whether it would not be better to gravity feed water to the Adelaide Water Treatment Works (WTW) from downstream of dam rather than pumping.	S Rousseau (Amatole Water)	Authorities Meeting (25/03/2015)	J Bristow indicated that this had been considered during the Feasibility Study.
40.	Requested clarification on the locations of the sites used to determine the Ecological Water Requirements (EWR).	N Muller (Amatole Water)	Authorities Meeting (25/03/2015)	J Bristow noted that a map indicating these points was not available at the meeting, but this information would be supplied afterwards.
41.	Indicated that it was necessary to provide feedback to the community and to involve them in the project.	S Genu (Amathole District Municipality)	Authorities Meeting (25/03/2015)	D Henning noted that this would be undertaken as part of the public participation process.
42.	Asked why the capacity of the existing Adelaide Dam was not being increased as opposed to building a new dam.	D Malgau (DAFF)	Authorities Meeting (25/03/2015)	J Bristow explained that the existing water supply infrastructure for Adelaide Town had been considered during the Feasibility Study. The following options to meet the objectives of the project and to satisfy the water requirements were also assessed: (1) increase capacity of Fish River transfer scheme, (2) increase capacity of Adelaide canal and Adelaide Dam, and (3) groundwater potential. Foxwood Dam was identified as the solution to augmenting the regional domestic water supply as well as to develop irrigated agriculture to support regional socio-economic development. Foxwood Dam is thus regarded as “enabling” infrastructure to allow for the proposed irrigation development.
43.	Noted that if Foxwood Dam was implemented the existing domestic water supply infrastructure for the town of Adelaide needed to remain in place and the water from the proposed dam would also be very expensive.	S Nash (Amathole District Municipality)	Authorities Meeting (25/03/2015)	This will be the case.
44.	Asked when the EIA for the irrigation development would commence.	G Sgwabe (DAFF)	Authorities Meeting (25/03/2015)	D Henning emphasised that the current EIA was only for the proposed Foxwood Dam and associated infrastructure. As the proposed dam and irrigation development are intrinsically linked, it is assumed that DEA may consider issuing a conditional Environmental Authorisation that is dependent on the feasibility of the irrigation development. S van Jaarsveld
45.	Indicated that if EIAs were required for the irrigation development the applicants would be individual farmers. The infrastructure associated with the irrigation development was not expected to exceed the	K Joubert (DRDAR)	Authorities Meeting (25/03/2015)	



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	thresholds that would trigger the need for an EIA and the land portions in question were also disturbed. Weirs might be required, which would need to undergo EIAs. In addition, other approval would also be required.			stated that it is not the mandate of DWS to take the irrigation development forward and discussions were held with EC DRDAR in this regard during the Feasibility Study.
46.	Noted that the lead authority for the irrigation EIA should be the provincial Department Economic Development, Environmental Affairs and Tourism (DEDEAT), depending on the applicant. DEA would struggle to issue a decision if there is uncertainty with regards to the feasibility of the irrigation development. DEDEAT needed to be involved in any associated discussions.	S Dlomo (DEA)	Authorities Meeting (25/03/2015)	
47.	Expressed concern over the possible separation of the EIA applications for the irrigation development, as the cumulative impacts of this component to the EWR needed to be assessed. This included the assessment of water quality related impacts as a result of agricultural activities.	N Muller (Amatole Water)	Authorities Meeting (25/03/2015)	D Henning indicated that in terms of the EIA Regulations it was anticipated that a combined application would be submitted for the irrigation development, which would allow for an assessment of the cumulative impacts.
48.	Noted that the findings of the Terrestrial Fauna and Flora Study would be assessed by the Department of Agriculture, Forestry and Fisheries (DAFF). The National Forests Act states that forests should not be destroyed. DAFF will partake further in the remainder of the EIA process.	G Sgwabe (DAFF)	Authorities Meeting (25/03/2015)	Noted.
49.	Asked whether a Water User Association would be created.	S Mullineux (DWS EC Region)	Authorities Meeting (25/03/2015)	S van Jaarsveld responded that it is recommended. This body would thus apply for the Water Use Licence for the irrigation development.
50.	Reiterated the need to keep the community informed.	S Genu (Amathole District Municipality)	Authorities Meeting (25/03/2015)	D Henning suggested that the municipality needed to advise whether a presentation on the project needed to be made to council.
51.	Asked how the impacts during the construction phase of the proposed dam would be managed.	N Muller (Amatole Water)	Authorities Meeting (25/03/2015)	D Henning explained that as part of the EIA an Environmental Management Programme (EMPr) will be developed which will include management requirements for the pre-construction and construction phases, amongst others. Specific requirements will also be included for managing impacts to the river, through water quality monitoring and appropriate mitigation measures. An Environmental Control Officer will be appointed to check compliance against the Environmental Authorisation and EMPr. In addition, an Environmental Monitoring Committee may be established with representatives from the relevant



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				stakeholders.
52.	Stated that the assessment of cumulative impacts during the EIA for Foxwood Dam needed to include a high-level appraisal of these impacts associated with the irrigation development.	S Dlomo (DEA)	Authorities Meeting (25/03/2015)	Noted.
53.	Asked if a Resource Management Plan (RMP) would be developed for Foxwood Dam.	S Dlomo (DEA)	Authorities Meeting (25/03/2015)	D Henning provided an overview of the RMP process. S van Jaarsveld indicated that the RMP would be developed by another unit of DWS.
54.	<ul style="list-style-type: none"> <li>I was at the presentation today and asked the question about moving sheep and cattle up, by foot, along the MR00639.</li> <li>I fall under the Bedford farmers Association NOT Adelaide so any replies going to them will not reach me.</li> <li>I am most concerned about the length of road that I will have to travel should they close the MR639.</li> </ul>	Gray King	Email (24/03/2015)	<p><i>Refer to response in item no. 11 regarding the scope of the Traffic Impact Assessment.</i></p> <p>Further consideration to be given to the movement of livestock along the MR00639 in the EIA phase.</p>
55.	<p>Thanks for the chat earlier. Unfortunately, I could not make the meeting yesterday and am very interested in the different farms that will be covered by the dam and all the graves that will be covered or moved.</p> <p>I am living in Bedford and am very interested in the graves in the area as a lot of them could form part of my family tree. I would like to take photos of all the graves concerned and then put them on the internet under the Genealogical Society of South Africa, to which I am a member so that others can make use of the information of the graves. I would not like them just to get lost under the water.</p> <p>I would appreciate it very much if you could let me have a map and a list of the names of the farms that will be impacted on with regard to the dam and also if you are aware of the location of any of the graves or graveyards. If any of the heritage guys go out, maybe I could join them and photograph the graves as they move from farm to farm.</p> <p>Thanks you again for allowing me this opportunity to preserve the history of the area even though it will only be the graves for others.</p> <p>Trust I will be hearing from you regarding the above.</p>	Moyra Joyce	Email (25/03/2015)	<p>A cadastral map of the project footprint and a table of the affected properties were provided.</p> <p>Our heritage specialists will only be mobilised around July 2015. I've included your particulars in our database of Interested and Affected Parties and we will keep you posted as the EIA process unfolds.</p> <p>Note that there will be a Search, Rescue and Relocation Management Plan for red data, protected and endangered species, medicinal plants, heritage resources and graves. Permits will also need to be obtained if heritage resources are to be impacted on and for the removal of graves.</p> <p>We would sincerely appreciate any information that you may find with regards to graves in the area.</p>
56.	a) The Proposed Quarry South of Adelaide was successfully blocked around 2 Years ago when neighbouring farms and game farms objected. This happened during the EIA stage for the Quarry.	Allan Ballantyne	Reply Form (27/03/2015)	<i>Refer to response in item no. 1 regarding sourcing of aggregate.</i>

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57.	b) Will we pay more for our water once the dam is built.	Allan Ballantyne	Reply Form (27/03/2015)	<p>In terms of the National Water Act, the Minister may, with the concurrence of the Minister of Finance, from time to time by notice in the <i>Gazette</i>, establish a pricing strategy for charges for any water use. The pricing strategy aims to achieve in a coherent manner the efficient and cost-effective allocation of water, equity and fairness in the allocation mechanism, and long term sustainability of the natural environment.</p> <p>The 'Return on Assets' component of the charge will be determined by applying an average percentage to the current depreciated replacement value of water infrastructure assets.</p>
58.	<p>Attached, please find our mining permit for our newly opened commercial quarry site in Adelaide. The permit holder is African Mining &amp; Crushing, operating out of Bloemfontein. All necessary EIA and EMP procedures have been completed and we received our permit two weeks ago.</p> <p>We have registered as an "interested party" to potentially supply aggregates for the Foxwood Dam, and would like to speak with yourselves in this regard.</p> <p>Our quarry site is 6km south-west of Adelaide, which puts us approx 8km from the dam wall site.</p> <p>We look forward to furthering discussions with you.</p> <p>Please feel free to contact me at any stage.</p>	Scott Pringle	Email (30/03/2015)	<i>Refer to response in item no. 1 regarding sourcing of aggregate.</i>
59.	a) The proposed deviation of route MR00639 will not be necessary if a corridor of 3 meters is created along the dam to allow for the movement of livestock. There are only a few instances in the year that livestock will need to pass through this corridor. No soil erosion will take place. This can also be created within the dam's purchase line, which presents a much cheaper option. Permission can surely be granted to certain parties in this regard. Gates, chains and locks need to function properly.	Christiaan de Wit	Reply Form (07/04/2015)	<p><i>Refer to response in item no. 11 regarding the scope of the Traffic Impact Assessment.</i></p> <p>Further consideration to be given to the movement of livestock along the MR00639 in the EIA phase.</p>
60.	b) With reference to the "Proposed Development of Foxwood Dam Locality Map", there was a landing strip between the R344 and	Christiaan de Wit	Reply Form (07/04/2015)	To be considered further in the EIA phase.

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	Bezuidenhoutville. According to me the houses that were built on this landing strip should not have taken place and the town has been deprived of a landing strip. The absence of a landing strip has created a problem due to the increase in the number of international hunters that visit the area every year. A landing strip is required in the town from a tourism perspective. On the "Locality Map" between the R344 and the proposed dam wall a new pipeline is shown which connects to the existing pipeline that conveys water from the Adelaide Dam to the Water Treatment works. If this proposed pipeline is constructed from the dam wall to the R344, it will traverse the only area that is suitable for a landing strip for Adelaide. If the pipeline follows the contour from the dam wall in a southern direction and then turns easterly then it can still connect to the existing pipeline at the same place. It will be wasteful expenditure to build the pipeline at this stage and to redirect the pipeline route at a later stage. According to me the terrain on the plateau between the dam wall and the R344 is the only area near Adelaide that is suitable for a landing strip.			
61.	c) I want to also express my concern over the "flora" that will be lost should the dam be built.	Christiaan de Wit	Reply Form (07/04/2015)	<i>Refer to response in item no. 16 regarding the Terrestrial Ecological Study.</i>
62.	a) Please be advised that all applications for line relocation go through our customer services. Please register the application by contacting our customer services at 08600 37566.	Dali Lukhozi (Eskom Land Development)	Email (15/04/2015)	D Henning: I'm not sure if the application should be submitted now as the study is in the feasibility phase. This may be best suited for the design phase. The project team will advise.  For the purposes of the EIA we would like to engage with Eskom on more of a strategic level with regards to the matters raised in my email below
63.	b) Unfortunately it is difficult for us to assist you at this stage without following the customer services route. The requirements for re-routing the line are laid out in the quotation that you will receive once you have made the application for the re-route. The route as well can only be determined on site by our Surveyor/s and/or Engineers also who will go on site on receipt of the application.  The power supply application also needs to be submitted. We can not at this point say where the supply will come from without a proper application having been submitted.	Dali Lukhozi (Eskom Land Development)	Email (15/04/2015)	D Henning: Thank you for the feedback. We will proceed accordingly.

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	May be the people who will guide you better would rather be our Customer Services office.			
64.	<p>There is a large stone weir [Foxwood Weir] across the river which will be flooded by the dam. It was built in 1901 by the Broli Bros and is quite historical. Arising from that weir is about 5 km of water furrows that lead to cultivated lands. The furrow and some of the lands were extensively damaged in the last flood and I have not resurrected them knowing that Foxwood is in the pipeline. The lands must be plus minus 8 Ha. There is fencing, some netted, some not and farm roads. It is difficult to estimate the extent of these. There is a water system with pipes and troughs for watering stock and a small stock water dam. There is also an old Shepard's shack and kraal which we still use. All these are on the property Leeuhoek 129.</p> <p>Below the dam wall there are also lands that were irrigated by the furrow from the Foxwood Weir- I guestimate they must be 6 Ha.</p> <p>Off the top of my head that is it but I may well have forgotten stuff [assuming you have the power lines etc. in your sights].</p>	Anne Knox	Email (29/04/2015)	<p><i>Refer to response in item no. 17 regarding the weir structure.</i></p> <p>All existing infrastructure and structures that will be affected by the project will be identified as part of the EIA.</p> <p>Compensation would need to be considered for any loss of land and infrastructure associated with the project. Compensation will form part of the negotiations in the Implementation Phase with the land valuer.</p> <p><i>Refer to response in item no. 34 regarding maintaining water supply to existing furrows subject to water use licenses.</i></p>
65.	The amount of land used by the dam must not render a farming operation unviable.	SA King (Bedford Farmers Association)	Letter (05/05/2015)	<p><i>Refer to response in item no. 34 regarding maintaining water supply to existing furrows subject to water use licenses.</i></p> <p><i>Refer to response in item no. 64 regarding compensation.</i></p>
66.	Who will have water rights?	SA King (Bedford Farmers Association)	Letter (05/05/2015)	It is not a water right anymore but a water licence. For the domestic user Amatola Water User Association (WUA) appointed by the Water Services Authority (WSA) will make an application for a licence. The irrigation water use will be either through a WUA or individual application.
67.	Is the dam strictly for irrigation? Recreation?	SA King (Bedford Farmers Association)	Letter (05/05/2015)	<i>Refer to response in item no. 15 regarding the RMP.</i>
68.	What about the plants, etc that will be affected by the dam? A plan needs to be made.	SA King (Bedford Farmers Association)	Letter (05/05/2015)	<i>Refer to response in item no. 16 regarding the Terrestrial Ecological Study.</i>