

**SRK Responses to GCS Nuclear-1 Fresh Water Supply EIR Peer Review
(Report Version – 1 of 13 August 2015)**

GCS Review Comments (as Quoted)	SRK Responses
4.3 Technical, Scientific and Professional Credibility	
<p>Section 2.1.2: <i>A demand/supply analysis with volumes for the Churchill Pipeline Supply from the Churchill Dam would provide more credible conclusions as to whether this supply is being fully utilised or not, rather than totally relying on personal communication information. Personal Communication should be used as support of alternative volumetric data, as it can be difficult to justify in isolation.</i></p>	<p>Information from the Water Reconciliation Strategy of 2011 included. We didn't dig deeper into the underlying supply/demand data because desalination of sea water is the preferred supply option so there doesn't seem to be much point in providing lots of detail when surface water options are not under consideration, rather just some background information.</p>
<p>Section 2.1.2: <i>The fact that there is 'apparently no spare capacity from Impofu Dam' should be substantiated by figures, that is, demand/supply volumes, or a credible reference, and not based on personal communication alone, for the same reasons as the aforementioned Churchill Pipeline supply from Churchill Dam.</i></p>	<p>Quotes from the Reconciliation Strategy report of 2011 are now included</p>
4.4 Defensibility of Methodology and Study Approach	
<p>Section 2.1.1: <i>Details of the cited DWAF (2004) (Now Department of Water and Sanitation, DWS) document should be summarised in the Water Supply report in order to justify the conclusion that there is no availability of water reserves for power generation.</i></p>	<p>Updated report of 2011 now referenced</p>
<p>Section 2.1.2: <i>Yield analyses for Churchill Dam and Impofu Dam should be included to justify whether water from these dams is being fully utilised or not, so as to determine whether there is any possibility of additional abstractions for the Nuclear 1 Power Supply project.</i></p>	<p>Quotes from the 2011 Reconciliation strategy report now included</p>
4.5 Information gaps, omissions or errors	
<p>Section 2.1.1: <i>Details of the DWAF (2004) Water Resource Strategy report on which the conclusion that there is no allowance for water supply for power generation is based, should be summarised to justify this conclusion in the SRK Fresh Water Supply Report.</i></p>	<p>2015 Integrated Development Plan (IDP) report now used</p>
<p>Section 2.2.1: <i>The discussion for Section 2.1.1 concerning the inclusion of summarised detail of the DWAF (2004) report also applies here to justify the fact that there are no water reserves for</i></p>	<p>2015 IDP report now used</p>

<i>power generation for the Bantamsklip site.</i>	
Section 2.2.2: <i>No evidence of a water supply assessment for the Riviersonderend/Bree system was presented in the Fresh Water Supply report. The conclusion that water can be transferred from this system to Bantamsklip was arrived at only because this system is the closest major system to the Bantamsklip site. This conclusion is difficult to scientifically justify since there is no evidence that the required water volumes for power generation would sustainably be obtained from the Riviersonderend/Bree system.</i>	This option has been reassessed in light of the 2015 IDP report
Section 2.2.2: <i>The report lacks clear maps, diagrams and figures to substantiate water supply options recommended in the report.</i>	Figure 2.2 for the Bantamsklip site updated with more regional data
4.6 Sensibility of Recommendations and Presentation of Best Options	
<i>The recommendations are sensible. The options provided would be more credible if substantiated by references, figures and volumetric graphs as mentioned in Sections 4.3 to 4.5 of this review.</i>	Addressed, as indicated above
4.7 Alternative Viewpoints Presentation and Clarity of Statement	
<i>Alternative viewpoints are presented and clarified in the report.</i>	
<i>However, use of maps or diagrams could make descriptions/explanations clearer. For instance; clear maps showing location of supply boreholes, dams, reservoirs and the closest water resource systems would make explanations clearer and easier to understand.</i>	Addressed, as stated above