

No	Appendix	Amendment type (Is the amendment in term of section 158 or 50 or 41?)	Condition	Title	Original Clause (in italics)	Amendment Proposed	Motivation/ Justification	DWS Comments	Recommendation on Applicant proposal
1		For Macassar WWTW: Change the discharge maximum volume to 22 666 500 m ³ /annum and the maximum rate to 62 100 m ³ /d	Macassar WWTW is in the process of being upgraded		<i>discharge maximum volume of 22 666 500 m³/annum and the maximum rate of 62 100m³/d</i>	<i>discharge maximum volume to 29 200 000 m³/annum and the maximum rate to 80 000m³/d for Macassar WWTW</i>	Macassar WWTW is in the process of being upgraded, the discharge maximum volume and maximum rate of the plant will increase.		
2		For Macassar WWTW: Change the effluent discharge limit for conductivity	Macassar WWTW is in not designed to treat conductivity		<i>Conductivity discharge limit 75mS/m</i>	Not to be increased by more than 75% above that of the intake water	As per general standard background conductivity in the receiving water is above the new licence condition, generally wastewater treatment plant operation does not remove significant amount of conductivity aside from the metabolic uptake. In order for the plant to comply with the current licence conditions for electrical		

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							conductivity new infrastructure i.e reverse osmosis will need to be installed (Levlin 2006:61)		
3		For Macassar WWTW: Amend clause 2.2 to exclude the submission on a plan to reduce the faecal coliform/E.coli to 0 cfu/100ml	Compliance of 0 cfu/100ml is not feasible in the treatment of wastewater	2. Quality of water containing waste	<i>A plan must be submitted to the Regional Head within six months from the date of issuance of this license on how the licensee would reduce the Faecal coliform/E.coli to 0cfu/100ml and the phosphate concentration to comply with the reserve requirements</i>	<i>A plan must be submitted to the Regional Head within six months from the date of issuance of this license on how the licensee would reduce the phosphate concentration to comply with the reserve requirements</i>	The relationship between the E.coli and TSS, Activated sludge removes or destructs 90 to 98 % of bacteria and chlorination of treated wastewater removes or destructs 98 to 99.999% of bacteria (and not 100%). In addition, the presence of suspended matter will reduce the effectiveness of disinfectants by absorption of the disinfectant and by shielding the entrapped bacteria (Metcalf and Eddy 2004:1258). For potable water systems: In general, inorganic		

[illegible]

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Table 1: Schedule of the proposed amendment to Taking of Groundwater from a total of 7 x Boreholes located on Farms 1084, 1551, 1506, Paarl RD. Total new taking authorised amounts to 124 992 m³/a licence number: 01/G10A/A/10938

The application for an amendment of the WUL is being requested in terms of Section 50 (1)

- 1) No interest of any person will be affected by the proposed amendment, and no consent has to be obtained. (S 50 (2) and 50 (3) (b))
- 2) The amendment will have no significant detrimental impact on the water resource (S 51 (3) (a))

Please note: This application is a first submission and will be finalised after relevant discussions with official in both DWS regional and national offices.