

Ref:SNQ2522 Rev 2

19th February 2026

Hutchinson Environmental Solutions
Whitewall Nook
Wark
Hexham
NE48 3PX

For the attention of Mr P Usher

Dear Paul

Re: Bala Caravan Park

We thank you for giving EWwS Ltd this opportunity to quote for the wastewater treatment plant for the above site.

Thank you for giving EWwS this opportunity to offer our proposal for the wastewater treatment plant. We now enclose our proposal and comments for process related issues which we hope are useful.

We have sized the plants as per design parameters we derived from British Water Code of Practice Flows & Loads – 4

Design Parameters

Temperature	12 ^o C – 20 ^o C (assumed wastewater temperature)
Flow (DWF)	19.785m ³ /d (Dry weather)
Peak Flow rate	2.47m ³ /hr (Dry weather)
BOD load	9.51kgBOD ₅ /day (481mg/l @ DWF)
NH ₄ -N load	1.71kgNH ₄ -N/day (87mg/l @ DWF)

Final Effluent Standard

BOD	< 20mg/l
TSS	< 30mg/l
NH ₄ N	< 20mg/l
P	< 4mg/l

We have assumed that.

1. Surface water will be excluded from the foul water drainage.
2. A suitably sized grease trap to be fitted to the kitchen waste drain.

RBC packaged plant E-100 SHR as per drawing No GA0059 Issue 6

We offer our E-100 SHR packaged RBC treatment in GRP casing with covers. The RBC will be driven by a 0.37Kw close coupled shaft mounted geared motor.

To meet the required Phosphorous discharge limit, it will be necessary to dose Polyaluminium chloride (PAC) via a chemical dosing system. We have included for a chemical dosing unit within our quotation (chemicals not included).

Please note that Total Phosphorous will include both organic and inorganic phosphorous, most organic phosphorous would be from human excrement, but inorganic phosphorous would be from cleaning materials used in houses. We can coagulate inorganic phosphorous, but organic phosphorous will be consumed in the biological process.

We do not offer an alternative phosphorus removal solution that can guarantee achievement. We have currently stipulated 4mg/l as we are not aware of any standard that needs to be met. Once you have this information, please pass it on to us and we can update our proposal.

We recommend the use of polyaluminium chloride (PAX). This product is readily available in 25 L pails. The dosing system comprises a 500 L bunded storage tank and a dosing pump calibrated to deliver a predetermined rate into the treatment plant.

The delivered unit would be ready to be installed on a concrete slab for levelling and concrete backfilling. For this a suitable crane will be required to offload the units from the lorry. EWwS have not included for a crane for offloading at site.

We trust the above meets with your requirements. Should you need to discuss any details above, please do not hesitate to contact us.

Yours sincerely

Carlos Mateus



Sales

EWwS Ltd

Environmental Wastewater Solutions (EWwS) Limited

Quotation

Client: Hutchinsons Environmental Solutions

Date: 19/02/2026

Site: Bala Caravan Park

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1 No E-100 SHR packaged sewage treatment plant in GRP casing with single skin sectional interlinked GRP covers and including a weatherproof control panel.

Price for E-100 SHR packaged plant = £47,000.00 delivered

1 No Chemical dosing unit with 500L tank.

Price for Chemical Dosing unit = £7,730.00 delivered

Terms and Conditions

Availability:	12-16 weeks from date of receipt of official order and/or full and final agreement of technical and financial detail, whichever is the later. This delivery period is subject to confirmation at time of order.
Validity of Quotation:	This quotation is open for 30 days from the quotation date.
Terms of payment:	30% non-refundable deposit with order. 70% balance is payable on notification that the equipment is ready for delivery at the agreed delivery date unless agreed otherwise. Please note that changes to the payment terms shall have an impact on the prices quoted.
Storage:	EWwS will aim to have the unit(s) ready during the agreed delivery week; once the units are ready for delivery during the agreed delivery week, payment will become due. For delayed deliveries for any reason, storage will be charged on a weekly basis. Rates will vary from project-to-project
VAT:	VAT is excluded from the prices quoted and will be charged if applicable at the rate current at the time.
Support:	We strongly advise that the Packaged Plants and RBCs are process optimised after the plant has been fully process commissioned. EWwS will be available to offer office-based support as necessary. Site based support can also be offered. Our normal day rate is £500.00 per man day or part man day spent away from EWwS offices.
Documentation:	We will provide all reasonable technical support and documentation to ensure that the equipment is optimised to be fit for purpose.
Terms & Conditions:	Please note that this quotation is subject to EWwS Ltd standard terms of sales.