

C.S.

PUBLIC WORKS  
(Stanley Improvement Scheme)

1924.

No. **606124**

C.E. "S".

Mr. G. Roberts

SUBJECT.

192 4  
18th September

Previous Paper.

Forwarding of Samples of water from  
Mount William Stone Run for  
Analysis.

MINUTES.

*Letter from Mr G. Roberts of 18th Sept 1924 — Encl ①*  
*Letter to Crown Agents 26 Sept 1924 — Encl ②*

*BU. 4/1/24*  
*Pl 25/26*

*Submitted for information*

*26 Sept. 24*

*H.C.S.*

*Thank you.*

*[2. I shall write privately to Mr. Roberts + ask your special attention may be paid to the matter]*

*[Signature]*

*27 Sept 1924*

Subsequent Paper.

*Will you please forward ship the box to the C.A. with the ref. no. of the letter herein marked on the box*

*29 Sept. 24*

The Hon; Col; Secretary.

Case has been delivered to Agents for shipment.

2. Advice and copy of letter to Agents has been forwarded.

*R. H. Basely.*  
Colonial Engineer.

2/10/24.

Minute from Col Engineer of 29<sup>th</sup> Sept 1924 - Encl (3)

Copy of letter to Falkland Islands Co of

27<sup>th</sup> September 1924 - " (3a)

Extract from letter from Mr G Roberts dated

1<sup>st</sup> October 1924 - Encl (4)

Letter from Caretaker Admiralty W/2 Station 1<sup>st</sup> Dec 1924 Encl (5)

Letter to Crown Agents 1<sup>st</sup> Dec 1924 Encl (6)

Will you kindly have the ~~water~~  
two jugs of water samples sent herewith  
packed for shipment by the s.s. Ballena

*H. H. H.* 1 Dec. 24

The Hon; Colonial Secretary.

The " Ballena" is not going direct to England,  
but may return to the Falkland Islands in January 1925  
for wool.

2. I would suggest that the samples be shipped on the  
mail steamer leaving in December .

*R. H. Basely.*  
Colonial Engineer.

12/12/24.

Analysis of water from Mt. William Stone Run. (8)  
12/1/25.

OIC/CSO,

This paper was borrowed today in connection with  
the enclosed minute from the Colonial Engineer, regarding a  
charge of 13/4d appearing in the Crown Agents May 1925 A/cs,  
which according to the Crown Agents accounts was in connection  
with Indent No. 277, and has been abstracted as ~~such~~ in the  
Treasurer's accounts.

*H. H. H.*  
21st September 1925

Colonial Engineer.

For note.

W. H. G.

22 Sept 1925.

O.I.C/C.S.O.

Thank you, noted and returned.

W. H. G.

Col: Engineer.

30/9/25.

Y. G.

Submitted.

I have seen the Crown Agents Accounts and the charge is stated as relating to carriage of Lamps Spares & water samples. The lamps spares were supplied under indent 277 and returned as unaccountable by the same vessel as that by which the water samples were sent. It is likely that both packages were forwarded ~~collected~~ from the steamer at the same time: hence the error in giving the same reference for both.

2. May the matter now be adjusted by charging the sum of 13/4 to Miscellaneous Contingencies

and reflecting the 1.0 W & Lore etc  
of a similar amount?

G.P. 1/2  
O.C./C.S.O.  
3 Oct 1925

O.C./C.S.O.

Adjustment authorized accordingly

H.  
3 Oct 1925

Dear Treasurer,

Will you be so good as  
to effect adjustment indicated on  
the attached voucher.

G.P. 1/2  
O.C./C.S.O.  
6 Oct 1925

The Secretaries

Adjustment Voucher (numbered  
27) with drawn copy filed herein.

The adjustment will be  
effected in July a/c.

H. Chen,  
for Treasurer  
10710725

Colonial Engineer

for audit

G.P. 1/2  
O.C./C.S.O.  
12 Oct 1925

O.S.B./B.S.O.

Thank you. Noted

W. Massey  
Col. Massey  
14/10/25

①

The Chamber  
18<sup>th</sup> September 1924.

Sir

I am today forwarding to your office one box containing 4 bottles of water. Samples taken from the proposed site of dam for Stanley water supply.

They were all taken from the same spot and in any report accompanying them I suggest it be stated, that they were taken after approx. 28 days drought. also that after a heavy rainfall the water is slightly browner being peat stained. The bottles are sealed and well packed, also a label tied to each, as enclosed

I am  
Sir  
your obedient servant  
G. Roberts.

The Honourable  
The Colonial  
Secretary.

On His Majesty's Service.

Sample of water from  
Mount William Stone Run.

PORT STANLEY,  
FALKLAND ISLANDS.

18<sup>th</sup> September 1924.

606/24.

2

26th September, 24.

Gentlemen,

I am directed by the Governor to inform you that one box containing four bottles of water samples taken from the proposed site of a dam for the Stanley water supply is being sent to you by the mail leaving here on the 2nd of October. Each bottle bears the label "Sample of Water from Mount William Stone Run. Port Stanley, Falkland Islands. 18th September, 1924."

2. I am to request you to be good enough to forward the box to Messrs. Vickers, Ltd., who will, it is proposed supply a drifting sand filter for filtration of the water before use. In this connection please see my letter of this date forwarding particulars of the filter required. The samples of water now forwarded were drawn off after approximately 28 days drought. After a heavy rainfall the water is slightly browner, being peat stained. When opportunity occurs further samples of water taken after rain will be provided.

3. The Governor presumes that Messrs. Vickers will at the same time analyse the water for potability. I am to request that copies of the

The Crown Agents for the Colonies, report/  
4, Millbank,  
Westminster, S. W.

report on the chemical analysis may be forwarded  
to me.

I am,

Gentlemen,

Your obedient servant,

H. Henniker-Heaton,

Colonial Secretary.



No. 606/24 ?

(It is requested that, in any reference to this minute, the above Number and the date may be quoted).

MINUTE.

3

29th September 1924

From The Colonial Engineer

To

THE COLONIAL SECRETARY,

Stanley, Falkland Islands.

Re Shipment of Water.

I beg to submit herewith copy of letter to Agents P.S.N.Co re shipment of case said to contain samples of water.

Case will be shipped per R.M.S. "Ortega" sailing about 3rd October 1924.

*R. S. Ashley*

Colonial Engineer.

29/9/24.

THE COLONIAL ENGINEER'S OFFICE,  
STANLEY.

3a

27th September, 1924.

Sir,

The following are particulars of cases which the Government wishes to ship by the R.M.S. "ORINOA".

<u>Case.</u>	<u>No.</u>	<u>Contents.</u>	<u>Measurements.</u>	<u>Consignees.</u>
2.	1	Earth samples.	14" x 16" x 2 1/2"	The Director, Rowett Research Inst., Aberdeen, Scotland.
7.	1	Bearings	7" x 6 1/2" x 1 1/2"	The Crown Agents, 4, Millbank, Westminster, S.W.
6.	2	Water samples.	1'10" x 1'8" x 1'9"	The Crown Agents, 4, Millbank, Westminster, S.W.
8.	1	Chronometer.	<del>14 1/2" x 11" x 1 3/4"</del> 13" x 14" x 16" (Ship's Parcel)	Messrs Greenfields, Coville & Co., North Castle Street, Liverpool.

2. Freight charges on Earth samples, Water samples and Chronometer should be rendered to the Colonial Secretary's Department.

3. Freight and other charges on Bearings will be paid by the Crown Agents on delivery.

I am,

Sir,

Your obedient Servant,

*R. Marshall*

Colonial Engineer.

Messrs THE FALMOUTH ISLANDS COMPANY,

Whipping Agents,

Stanley.

EXTRACT from letter from Mr. G. Roberts dated 1st October, 1924.

Original in M.P. No. 598/24, Encl. 4

x x x x x x x x x x x x x

Owing to the absence of rain it seems unlikely that a further sample of water will be obtainable for sending on the incoming mail, but I hope it will be possible to forward one by the next mail, as it is most likely to be required in connection with the filters, the Foreman of works is ready to get this sample as soon as conditions are suitable.

x x x x x x x x x x x x x

A No 017 Station  
Stanley  
December 1<sup>st</sup> 1924

The Hon Colonial Secretary

Sir

I beg to state that two jars of coloured water were both taken from No 1 spring, Mount William Stone Run on November 14<sup>th</sup> 1924 after a heavy days rainfall on November 13<sup>th</sup>. The water at the time of taking running 3 inches through notch of the gauge board, the previous measurement on November 12<sup>th</sup> being  $\frac{3}{4}$  inch.

I am,

Sir,

Your obedient servant,

L. A. Nicholson.

(Caretaker)

7

606/24.

1st December,

24.

Gentlemen,

With reference to my letter of the 26th of September, I am directed by the Governor to inform you that a case containing two jars of further sample water from Mount William Stone Run is being despatched to you by the "Ballona," which is due to leave Stanley about the middle of this month. Both jars are labelled as in the case of the previous samples sent.

2. The water now being forwarded was taken after a heavy day's rainfall on the 13th of November.

I am,

Gentlemen,

Your obedient servant,

H. Henniker-Heaton,

Colonial Secretary.

The Crown Agents for the Colonies,

4, Millbank,

Westminster, S. W.

8.

COPY OF A LETTER DATED 12th January, 1925, from MESSRS RILEY, HARBORD & LAW TO THE CROWN AGENTS FOR THE COLONIES, RELATING TO THE ANALYSIS OF THE SAMPLE OF WATER FROM MOUNT WILLIAM STONE RUN.

*(Original attached to Encls of M.P. 1925/25)*

Dear Sir,

PORT STANLEY FALKLAND ISLANDS 18/9/24.

The following are the results of our analysis of the sample of Water received from you on the 31st December, marked "Sample of Water from Mount William Stone Run" :-

	<u>Grains per Gallon.</u>
TOTAL SOLIDS at 240° F.....	10.1
"    "    after ignition...	6.4

ANALYSIS OF SOLIDS.

SILICA.....	0.19	
OXIDE OF IRON AND ALUMINA....	0.32	
LIME.....	0.48	) EQUAL TO
MAGNESIA.....	0.52	
SULPHURIC ACID.....	1.66	
CHLORINE.....	3.21	
SODIUM.....	1.71	
POTASH.....	0.21	
FREE AMMONIA.....	0.0182.	
ALBUMINOID AMMONIA.....	0.0266.	

Equivalent to :

FREE AMMONIA parts per million or milligrams per litre.....	0.26
ALBUMINOID AMMONIA parts per million or milligrams per litre.....	0.38
DEGREES OF HARDNESS.....	2½

This is a very pure sample of water, the solid matter in solution being very low. The undesirable feature is the quantity of ammonia which indicates contamination by organic matter. It is impossible to indicate the derivation of this organic matter without knowing something of the conditions under which it has been collected, and stored. Have you any information on this point ?

Yours faithfully,

p.p. 'RILEY, HARBORD & LAW.

(Sgd.)

Adjustment Voucher No.....

COLONY OF THE FALKLAND ISLANDS.  
HEAD OF SERVICE XV. MISCELLANEOUS.

SUB-HEAD 26. Miscellaneous Contingencies.

To the Honble. the Treasurer,

You are hereby authorised to make the following adjustment

Description  
of  
Transaction.

To transfer to the above Head and Subhead the sum of 13/6 being the cost of carriage in England of water samples sent for analysis and to credit the Public Works Unallocated Stores Account with a similar amount to which it has been brought to account under indent No. 277.

£ 13s. 4d.

Adjustment approved in M.P. 636/24.

By Command,

  
for Colonial Secretary

Date 6th September, 1925.