

# SECRETARIAT

O491/III

O491/III

(Formerly)

1111670

## STANLEY WATER SUPPLY. (INCLUDING THE PAPE REPORT)

### CONNECTED FILES.

NUMBER

- O491/A. House Connections
- O491/B. Appointment of caretaker water filtration Plant
- O491/C. New High level Tank.
- F/210/02. New water Tank & fittings

PAPE'S WATER SUPPLY REPORT  
~~RECORDS ABOUT 210~~  
6.4.63

FILED AT BACK COVER  
~~AS IS CLASSIFIED~~



STANLEY TOWN COUNCIL  
FALKLAND ISLANDS,

..... 8th May, ..... 19...63.

TC/14.

453

Sir,  
With reference to my letter of the 5th March, 1963 and your letter of the 15th March, 1963, concerning the water supply on Dairy Paddock Road, I am directed to inform you that once again a complaint has been received from the dairy-man, stating that over the weekend there has not been sufficient water for the members of the house hold to bath, and that water has been carried from a supply further down the hill, Council would be grateful if pumping could be done on a Saturday morning thus ensuring that the tank is full for the weekend.

I am,

Sir,

Your obedient servant,

*Howe*

Clerk to Council.

The Honourable  
The Colonial Secretary,  
Secretariat,  
Stanley.

463

*I was over his lot yesterday evening and have phoned to SAC PWD at 11.10 his morning. He will try to help to further looked into for his week and -*

Ack'd H

10/5/63.

*SPW for further observations please*

*11/5/63*

134

Hon. Col. Sec.

The Filtration Plant is closed down on a Saturday mornings to clean out tanks etc., and as shown by water level figures it is hardly necessary to start the plant for one hours running to top up the High level tank.

Friday	4 - 30 p.m.	8ft - full
Saturday	9- 30 a.m.	7ft - 6"
"	4 - 30 p.m.	7ft - 3"
Sunday	12 - 00	6ft - 3"
Monday	7 - 30 a.m.	5ft - 9"

As regards water for baths etc., this could be done during the week and conserve the supply over the weekend. Mr. Summers is not the only person in this particular area and owing to the elevation of his house compared with the tank there is nothing we can do about it until we finally decide the position of the new tank.

These people have managed for I don't know how many years up to now, I should think they can manage a bit longer.

*R. Pulton*

Supt. of Works.  
13th May, 1963.

*ph*

20N

EXTRACT FROM NOTES MADE AT STANDING FINANCE COMMITTEE MEETING HELD ON  
31ST DECEMBER, 1964. Original filed in 1040/A/III

1. Renewal of Water Mains.

Investigate whether it would be advantageous to replace the iron pipes with plastic pipes.

S.P.T. please  
let me have  
a written report  
soonest.

W.I. 16.1.6

Col. Sec.

467

I have no knowledge of plastic water mains.

The only advantages are in the agricultural field, from A to B.

There are to my practical observations, no proved fittings for plastics that do not reduce the bore and only, still to be proved, to Town pressures, of up to 3" max bore.

Here, without large mains in existence, whereby you could insert plastic piping for safe keeping, I cannot see any future or advantage in plastic piping here at all.

*W. Beardmore*

Ag. Supt. of Works.

19th January, 1965.

*made 1972*

*used in 1964*

*used in 1964*

*used in 1964*

*468*  
*6/6. 30.6.64*  
*51.*  
*25.1.64*

0491/III

11th May, 65.

To: Ag. Superintendent of Works,

From: The Colonial Secretary,

STANLEY.

Water Supply to Ships.

At the recent Select Committee on the Estimates complaints were voiced that the water supply on Ross Road is still inadequate when ships are watering.

Could you let me know the position. I thought the High Level water tank was supposed to have sorted all this out.

W. H. THOMPSON

COLONIAL SECRETARY.

*Reply at 4-70.*

*Box 23/5/65 (1)*

No. \_\_\_\_\_

It is requested that, in any reference to this memorandum, the above number and date should be quoted.



MEMORANDUM

12th May,

To: The Colonial Secretary,

STANLEY.

From: Ag. Supt. of Works, P.W.D.

Stanley, Falkland Islands.

SUBJECT :-

Water Supply to Ships.

- 469 00/005
- (1) The Ships and Ross Road are supplied with water from the Reservoir.
  - (2) The High Level Water Tank does not supply Ross Road.
  - (3) Extra pressure only is supplied and head, to reach the Wireless Station from the High Level Tank, before, a pump was necessary along the Davis Street top level, German Camp Wireless Station etc.

*R. Beardmore*

Ag. Supt. of Works.

*Noted.*

*pa. S.I.*

*rs/5*

No. FFD 040

It is requested that, in any reference to this memorandum, the above number and date should be quoted.

MEMORANDUM



24th July,

To: The Colonial Secretary,

Stanley.

*(Handwritten initials)*

*28/7*

From: Acting Superintendent of Works.

Stanley, Falkland Islands.

SUBJECT :- Water Filtration Plant.

Today, during the bi-annual clean down, I inspected the deterioration of the following tanks, Storage, Sedimentation etc and find, the life of the same will be no more than two years at the outside, unless they are treated with suitable flock and water resistant paint not later than the next bi-annual clean down.

The flock internally, is badly settling and pitting the interiors of the tanks in question and I would suggest that Mr. Macleod when he goes on leave, contacts some suitable maker of bitumastic paint. There is a plastic, quick drying paint on the market solely for the job.

This is to me, an emergency and should be dealt with not later than next year.

*D. Beadmore*

Ag. Supt. of Works.

*Reply at 472*



30th July, 65

To: Acting Superintendent,  
Public Works Department,  
Stanley.

From: The Colonial Secretary,

Water Filtration Plant

471

I refer to your memorandum 040 of the 24th July, 1965.

We discussed this and I am in agreement with you that plastic paint of the correct type should be obtained and that Mr. McLeod should be empowered to visit the Crown Agents about this when he is on leave in the United Kingdom.

If Mr. McLeod reports to the Assistant Colonial Secretary before his departure the necessary authorisation can be arranged.

(W.H. THOMPSON)

COLONIAL SECRETARY

#  
D. H. K. 3  
473

The Chemicals were ordered in April to connect the Darwin leaving Montevideo about 19th July.

The delivery date given by the Crown Agents was 10th June and when they did not arrive on the July Darwin it was assumed they had not connected and would come by the August trip.

When word was received from Darwin that no Chemicals were on board a telegram was sent to Crown Agents asking what had happened to them this was on 25th August, a reply was received on 1st September stating that it was regretted that the Chemicals had not connected the Darwin but were in transit to Montevideo. On receipt of this telegram another was sent the same day asking for the name of ship and the date of arrival in Montevideo. A reply to this was received on 7th saying shipped SS Romney ETA Montevideo 17th September.

4 tons of Alumina were ordered from Montevideo by telegram on 6th to be shipped by this Darwin.

A double order of Chemicals is on order to come by this AES

There has never been any laid down amounts of Chemicals to be carried in stock.

With the arrival of the chemicals at present in transit to MV and those to come by AES we should approx 1 years supply.

It is understood that some of the Chemicals should not be kept for much more than 6 months, this is only hearsay.

D. H. K.

Pa

14th October, 65.

Dear Sirs,

This is to advise you that Mr. Colin MacLeod, Senior Painter, will be arriving in England on leave on 23rd November. He has been authorised by this Administration to discuss with Messrs. Jenson & Nicholson, Ltd. of Jenson House, Carpenters Road, Stratford, the types of paints best suited to applying to the interior of the water tanks at our water filtration plant.

2. The plant was originally supplied in 1957 by Messrs. Patterson Engineering Co. of 129 Kingsway, W.C.2 and has since been operated with the use of sulphate of alumina, sodium aluminate and sodium carbonate.

3. After discussion Mr. MacLeod will decide the type and quantity of paints required and advise you accordingly. Since the paint will be required in the Colony early in 1966 it is requested that you telegraph his recommendations to us together with estimated cost so that a firm indent can be placed from here with as little delay as possible.

4. Mr. MacLeod will report to your office shortly after his arrival and I should be glad if you would afford him whatever assistance you can. He will of course qualify for the usual rates of travelling and subsistence allowance and you are authorised to make these payments up to a maximum of two days.

5. By copy of this letter I am advising Messrs. Jenson & Nicholson of the action taken.

Yours faithfully,

(Sgd) H.L. Bound.

for COLONIAL SECRETARY

Crown Agents for Oversea Governments & Administrations,  
4, Millbank,  
LONDON, S. W. 1.

FA

See 478.

Copies to: Mr. C. MacLeod  
Jenson & Nicholson, Ltd.

SW

Pl note 474

JTB

15.10.65

Noted 15/10  
la 2/10

DECODE.

No. 53.

TELEGRAM.

4

From Crown Agents, London SW3

To Colonial Secretary, Stanley

Despatched : 4th November, 19 65 Time : 1600

Received : 5th November, 19 65 Time :

474

Your letter G492/III October 14th. Macleod in conjunction Jensen recommends trial order comprising 12 gallons rust remover 65 gallons black bituminous paint and 10 gallons thinner at total fob £77 detailed recommendations copied you and PWD.

Crown

476

Ag. SPW

placed?

Do you wish an order

5. 11. 65

P/W . IS  
(Incl'd.) HEB

478

one:  
MAR AND 4567

JENSON & NICHOLSON LTD.,  
ESTABLISHED 1821

Grams:  
ROBBIALAC, EASPHONE, LONDON

*Robbialac Paints*

YOUR REF: **BEF/IRB**  
OUR REF: **AEW/ED**

JENSON HOUSE, CARPENTER'S ROAD,  
STRATFORD, LONDON, E. 15.

2nd November, 1965

The Crown Agents for Oversea Governments  
& Administrations,  
4, Millbank,  
London, S.W.1.

Dear Sirs,

re: MR. COLIN MACLEOD.

471 refers

We thank you for your letter of the 29th October, relating to the visit of Mr. Colin Macleod of the Public Works Department, Port Stanley, and confirm our telephone conversation with your Mr. Overton advising that Mr. Macleod had in fact arrived in London yesterday, the 1st instant, and arranging for his visit to our offices.

We were indeed pleased to meet Mr. Macleod yesterday, and discuss the preparation and painting system for drinking water tanks for the Falkland Island Water Filtration plant.

As we understand from Mr. Macleod, the interiors of the tanks are unpainted and have become rusty and pitted; we also understand that it is not possible to clean down to bright metal by shot blasting or other means; we suggest, therefore, that the surface should be thoroughly wire brushed and chipped if necessary to remove stubborn flakes, then dusted down.

The whole surface should then be swabbed down with Rust Remover R/S13/1 and left if possible for one hour. If there is still some stubborn rust visible, a further swabbing of Rust Remover should be made. The Rust Remover should then be thoroughly washed away to remove all traces from the tanks, as it is an acid substance. In this regard the painters should wear protective clothing in the form of rubber gloves and boots, and preferably goggles. We also

recommend air circulation in the tanks during the process to avoid any accumulation of fumes, and to assist in drying the surface.

When the Rust Remover has been cleaned off and the surface dried, a coat of Bituminous Black 1/077/17 should be applied by brush, and this will dry hard in one hour. We suggest at least two coats to ensure complete coverage and protection.

This Black Bituminous Paint 1/077/17 is to specification CS.2352, is non-toxic and is approved by the Ministry of Supply for use on drinking-water tanks in this country. The average coverage for 1 Imperial gallon is 90 square yards for the first coat, and 100 square yards for the subsequent coats. Although the Black Bituminous Paint is supplied ready for use, and should not be thinned, the brushes will need to be cleaned in Thinner 1/010/13.

Mr. Macleod has suggested that we supply the following for a first shipment :-

1 x 12-gln. Polythene-lined drum Rust Remover 4/913/1.  
13x 5-imp. gln. drums Black Bituminous Paint 1/077/17.  
10x 1-gln. tins Thinner 1/010/13

which will enable him to carry out the treatment for at least part of the total area, and ascertain the quantities required for further treatment.

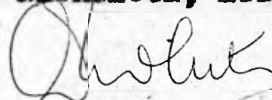
We have pleasure in offering the above materials for the quantities mentioned at the following prices f.o.b. London :-

Rust Remover 4/913/1 in 12 Imp. gln. Polythene-lined Drums  
@ 27/6d. per gln.  
Black Bituminous Paint 1/077/17 in 5 Imp. gln. drums  
@ 16/9d. per gln.  
Thinner 1/010/13 in 1 Imp. gln. tins, packed in Export case  
@ 12/-d. per gln.

and look forward to receiving your confirmation order to supply.

Assuring you of our close co-operation at all times, we remain.

Yours faithfully,  
For JENSON & NICHOLSON, LTD.,



A.E. WHITE  
Assistant to Manager  
Overseas Division.

c.c. to :- Public Works Department, Port Stanley, Falkland Is.  
The Colonial Secretary, Port Stanley, Falkland Is.  
Mr. Colin Macleod, 42, Morrison Avenue, Stornoway,  
Lewis, Scotland.

No. PWD 040

MEMORANDUM

It is requested that, in any reference to this memorandum the above number and date should be quoted.



1st December, 19 65.

To: The Colonial Secretary,

From: Ag. Superintendent of Works  
P. W. D.

STANLEY.

Stanley, Falkland Islands.

SUBJECT :- Telegram to Crown Agents.

I have the honour to request that the following telegram be sent to the Crown Agents:-

"REFERENCE YOUR TELEGRAM ~~NO. 53~~ 4th NOVEMBER AND ROBBIALAC LETTER 2nd NOVEMBER, ~~REGARDING~~ PAINT ~~FOR~~ FILTRATION PLANT PLEASE ORDER BITUMINOUS PAINT ETC AS OFFERED CONFIRMATORY INDENT FOLLOWS"

*See 4/6*

*22*

*D. Boardman*

Ag. Supt. of Works.

*He only*

*KIV-1*



0491/111

CONF

25th April,

66

From: The Colonial Secretary,

To: Registrar Supreme Court,  
Superintendent of Works,  
Supt. Power & Electricity,

STANLEY

You will please form yourselves into a committee under the chairmanship of Mr. Harold Bennett to examine the present cost of supplying water to Stanley and to make recommendations in respect of economies.

You are particularly to investigate the need for and the cost of installing and reading water meters. You are also to examine all alternatives to a metering scheme, and suggest ways and means of reducing the present cost either by way of organisation, method or raising of revenue.

Your deliberations are to remain confidential and within Government at this stage.

(Sgd) W. H. Thompson.

COLONIAL SECRETARY

PA

Copy to: CT

PC

MEMORANDUM

485

It is requested that, in any reference to this memorandum the above number and date should be quoted.

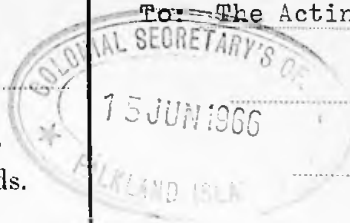
CONFIDENTIAL.14th June, 19<sup>66</sup>

From: Registrar Supreme Court,  
Superintendent of Works,  
Supt. Power & Electrical.  
Stanley, Falkland Islands.

To: The Acting Colonial Secretary,

Stanley,

Falkland Islands.



SUBJECT:- Water Supply.

WA 4/7/66

1. Referring to your Memorandum Q491/III of the 25th April, 1966.
2. We met on the 9th June, 1966, and after due consideration we are of the opinion that there can be no reduction in the cost of supplying water to the town of Stanley.
3. Labour employed is at the minimum if continuity of supply is to be maintained.
4. Quantities of chemicals cannot be reduced or altered if the plant is to function according to its design.
5. Electricity costs average £880 annually. Although the major portion of this cost is taken up in pumping water, the operation office and part of the tank room is electrically heated. A breakdown of these costs is not possible owing to there being one common meter.
6. Consumption of water throughout the supply area compares favourably at approximately 45 gallons per person per day, with that consumed in the United Kingdom where the average figure is 40 gallons per person for domestic use only.
7. The installation of water meters is not recommended for the following reasons :
  - (a) Capital cost per installation would be to the order of £20, thus involving a total estimated cost of £8,000.
  - (b) The slight increase in revenue from business premises alone would not warrant the expenditure.
  - (c) The resultant reduction in consumption below average would, we believe, be detrimental to public health and hygiene.
  - (d) A reduction in revenue.
8. In our view in order to make the water supply an economic proposition the water rate would have to be increased to the prohibitive figure of between 7/- and 8/- as opposed to the present 1/- in the pound.

J. Bennett Chairman  
S. Leung Member  
C. ... Member

487

CONFIDENTIAL

Ref: 0491/III

25th August, 1966

MEMORANDUM NO. 81/66 FOR EXECUTIVE COUNCIL

Stanley Water Supply

Arising out of a discussion in Council at the meeting of 12th/15th April 1966 on the draft estimates of expenditure, and in particular the cost of the Stanley water supply, a committee was formed of Messrs. H. Bennett, P. Gough and E.C. Gutteridge with the following terms of reference.

"To examine the present cost of supplying water to Stanley and to make recommendations in respect of economies. You are particularly to investigate the need for and the cost of installing and reading water meters. You are also to examine all alternatives to a metering scheme, and suggest ways and means of reducing the present cost either by way of organisation, method or raising of revenue."

The committee duly reported as follows:-

"After due consideration we are of the opinion that there can be no reduction in the cost of supplying water to the town of Stanley.

Labour employed is at the minimum if continuity of supply is to be maintained.

Quantities of chemicals cannot be reduced or altered if the plant is to function according to its design.

Electricity costs average £880 annually. Although the major portion of this cost is taken up in pumping water, the operation office and part of the tank room is electrically heated. A breakdown of these costs is not possible owing to there being one common meter.

Consumption of water throughout the supply area compares favourably at approximately 45 gallons per person per day, with that consumed in the United Kingdom where the average figure is 40 gallons per person for domestic use only.

The installation of water meters is not recommended for the following reasons:-

- (a) Capital cost per installation would be to the order of £20, thus involving a total estimated cost of £8,000.
- (b) The slight increase in revenue from business premises alone would not warrant the expenditure.
- (c) The resultant reduction in consumption below average would, we believe, be detrimental to public health and hygiene.
- (d) A reduction in revenue.

In our view in order to make the water supply an economic proposition the water rate would have to be increased to the prohibitive figure of between 7/- and 8/- as opposed to the present 1/- in the pound."

*Issued to members today.*

At this stage/.....

*AW  
25.8.66.*

Page two

At this stage the report of the committee is brought to the notice of Council for information. It is intended that the Stanley water supply should be the subject of a separate memorandum for discussion at a later meeting of Council.

*J. Curran*

ACTING COLONIAL SECRETARY

BU X 27.8.66

IM

CONFIDENTIAL

0491/III

15th September

To: The Superintendent of Works,

From: Ag. Colonial Secretary,

STANLEY.

Filtration Plant.

Is there any possibility of saving labour at the Filtration Plant by installing any form of automatic equipment?

(Sgd.) L. Gleadell

ACTING COLONIAL SECRETARY.

EXTRACT FROM MINUTES OF MEETING NO. 9/66 OF EXECUTIVE COUNCIL HELD ON  
THE 30th AND 31st AUGUST AND 1st SEPTEMBER 1966.

0491/111

17. STANLEY WATER SUPPLY (81/66)

Council studied the report submitted by the committee appointed to examine the cost of supplying water to Stanley and advised that more information should be sought regarding means of reducing the cost of this service. It was felt that the present charges were inadequate and that a greater economy could be effected in the use of water.

Council advised that a further paper be prepared for consideration at a later meeting of Council.

  
CLERK OF COUNCIL

Bu 1.11.66

Do. 12.1.67

b. P.,

● 4909 There is something I ~~had intended~~ dictated just before  
your return. I found the prison very unsatisfactory but  
form prevented me from doing anything about it.

L. G.

10.11.66

Si 15/11

DRAFT

*file w/a 51/490a*

I have just returned from the P.D. where I have been discussing with the SPW the question of supplying water to ships during the hours of daylight. I found myself involved ~~in~~ a row between Public Works and the Town Council which amounted to accepting one or the other bodies as having the authority to decide whether water should be supplied to ships during the daytime, with the consequent result that a number of homes in Stanley are virtually cut off from their water supply owing to the reduced pressure.

I gathered that the present system is that requests for water are made to the Town Council Office who pass them on to the Public Works. At a recent meeting of the Town Council a decision was reached that in certain circumstances water would be supplied to ships during the hours of daylight. *when it came to supplying* this decision by Town Council <sup>it</sup> was not accepted by the Superintendent <sup>of</sup> Works who stated that pumping would cease at 6 a.m.

The deadlock was reported to me by the Town Clerk just before five o'clock last night and in the course of the evening I phoned the Chairman, Mr. Williams, who confirmed that it was Council's intention to pump all day today, that is the 5th November. The ship in question is the Russian fishing vessel. I could not contact SPW by telephone so I phoned Mr. Word the Water Bailiff and asked him to arrange for pumping to continue until 9 a.m. which would give me time to talk to SPW this morning.

SPW was naturally annoyed at the counter-manding of his orders but we had a useful talk over the problem and agreed, as had in fact Mr. Williams the night before, that some more definite arrangement should be introduced with regard to the body that has control over the water supply.

It seems that the Town Council's part should be related to the facilities at their disposal. They have no labour, they have no knowledge of supplies, they have no knowledge of demand, and I would suggest for early consideration that the Town Council's interest be restricted to collecting the revenue and that the management and control of the water supply becomes a Public Works commitment without prior reference to the Town Council. The Town Council's present part in matters, other than collecting revenue,



amounts to nothing more than a go between and in effect slows up the service, ~~of the public~~. It would be much more simple for the public to telephone the PWD Office direct with their requests or complaints than having to go through the Town Council who can neither say yes or no to any request or complaint without prior reference to the Public Works Office.

In the case in question where a foreign ship is involved it might well be that Government wishes to see the water supplied in quick time irrespective of the consequences within the Stanley ~~area~~ <sup>surface</sup> and it would be easier to arrange this by instruction to SPW than by Government attempting to interfere in decisions made by the Town Council. It so happens that in the present case it is Council that wants to supply the water quickly and that the reluctant body is Government as represented by the Public Works.

The incident has brought into rather sharp limelight the rather ridiculous setup with regard to the water supply and if for no other reason it seems that the public interest could best be served by by-passing the Town Council in matters related to the supply and control of water. Whatever the Town Council think they might be doing in this respect the ultimate responsibility rests with the Public Works Department.

15th November,

66.

Dear Sir,

Water Supply to Ships in Port.

I understand that there was a recent difference of opinion between the Town Council and the Superintendent of Public Works regarding the authority to decide when water should be supplied to ships during the day time. I also gather that your chairman, Mr. Williams, ~~has~~ spoke with Mr. Cleadell, who was acting Colonial Secretary at the time, and it was agreed the matter should be gone into further with a view to producing some more definite arrangement for the control over the water supply.

It seems that the Town Council's part should be related to the facilities at their disposal. Having no labour, no knowledge of the availability of immediate supply, or knowledge of demand, I would suggest for your consideration that your interest should be restricted to collecting the revenue and that the management and control of the water supply becomes a Public Works commitment.

I think you will agree that your council's present part in matters, other than collecting revenue, amounts to nothing more than a go between which, I suppose, could in effect slow up a service. Surely it would be more simple for the public to telephone the P.W.D. office direct without having to go through your good self who can neither agree to, or reject, your request or complaint without referring the matter to the Public Works office.

The recent "incident" has brought into rather sharp limelight the rather unsatisfactory setup with regard to the water supply, and if it can be reorganised on the basis suggested above it seems public interest would be well served.

I shall be obliged for your comments on the matter.

Yours faithfully,

(Sgd) W. H. Thompson

COLONIAL SECRETARY

The Town Clerk,  
Stanley Town Council,  
STANLEY .

AA

fa  
BN 12.1.67 (489)

STANLEY TOWN COUNCIL,  
FALKLAND ISLANDS,



TC/14-A

..... 6th December, 1966.....

Dear Sir,

*D/1491/15/W*

Thank you for your letters, 0491/17I, 1304, and 0594/II.

Council are pleased to accept your suggestion that all matters relating to the management and control of the town water supply should be referred to the F.W.D. office.

*Traced to 1304.*

Regarding your efforts to establish a museum, Council are happy to have been of service in providing the library when it was required, and hope that further contributions may enrich the very interesting collection of items which you have acquired.

*Extracted to 0594/II.*

I am directed to thank you for your letter explaining the alteration of fire sirens.

I am,  
Sir,

Your obedient servant,

*[Signature]*  
Town Clerk.

The Honourable, the Colonial Secretary,  
Secretariat,  
Stanley.

0491/III

493

15th December

66.

From: Colonial Secretary,

To: The Superintendent of Works,

STANLEY.

Copies: Town Clerk, C/T.

Stanley Water Supply.

The Town Council has agreed that all matters relating to the management and control of the water supply (other than revenue collection) should be in your hands.

With effect from the date of receipt of this letter the control is therefore in your hands.

A suitable notice should be broadcast.

(W.H. THOMPSON)  
COLONIAL SECRETARY

Pa

30th December

66.

Dear Sir,

Watering of RMS Darwin

To avoid a repetition of the recent 'misunderstanding' would you two gentlemen please get together and draw up a suitable and simple written agreement, which please deposit with me.

I suggest not later than the 15th January might well suit.

Yours faithfully,

(W.H. THOMPSON)  
COLONIAL SECRETARY

W.H. Young, Esq.,  
Darwin Shipping Ltd.,  
STANLEY.

P. Cough, Esq.,  
Superintendent of Works,  
STANLEY.

Reply at 495

See 16.1.67

These are letters for this.  
21.6.67

495

# DARWIN SHIPPING LIMITED

21  
9/1

Directors: R.G.Vinson, W.H.Young

Telegrams: "Fleetswing Port Stanley"

STANLEY,  
FALKLAND ISLANDS.

WHY/PMC

10TH JANUARY, 1967

THE COLONIAL SECRETARY  
STANLEY.-



DEAR SIR,

WATERING OF R.M.S. "DARWIN"

WITH REFERENCE TO YOUR LETTER <sup>494</sup> 0491/111 OF 30TH DECEMBER, 1966.-

AFTER DISCUSSIONS BETWEEN MESSRS. P. GOUGH AND W. H. YOUNG IT IS AGREED THAT: EXCEPT IN EXCEPTIONAL CIRCUMSTANCES, WATERING OF R.M.S. "DARWIN" WILL ONLY BE CARRIED OUT BETWEEN THE HOURS OF 9 P.M. AND 6 A.M.-

YOURS FAITHFULLY,

FOR DARWIN SHIPPING LTD.

SUPERINTENDENT OF WORKS

# Water supplied to ship

Year	Water Sale	Cost of raw tobacco	<u>Profit</u>	
1955	£446	£121	£325	= 268%
1956	£350	£150	£210	= 150%

49/1/11

496

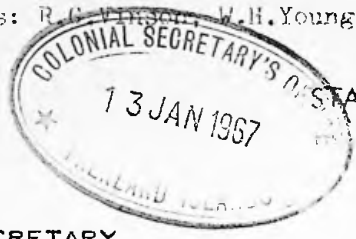
2  
7/1

# DARWIN SHIPPING LIMITED

Directors: R. G. ... W. H. Young

Telegram: "Fleetwing Port Stanley"

WHY/PMC



FALKLAND ISLANDS.

10TH JANUARY, 1967

THE COLONIAL SECRETARY,  
STANLEY.-

DEAR SIR,

WITH REFERENCE TO THE JOINT LETTER FROM THE WRITER AND MR. P. GOUGH, OF TODAY'S DATE, REGARDING WATERING OF R.M.S. "DARWIN", AND THE AGREEMENT DETAILED THEREIN.-

WE FEEL THAT IT IS UNFAIR TO R.M.S. "DARWIN" THAT SHE AUTOMATICALLY INCURRS OVERTIME AND DOUBLETIME, AMOUNTING IN RECENT MONTHS TO AN AVERAGE OF 7D PER TON ADDITIONAL CHARGES, WHENEVER SHE WATERS IN PORT STANLEY.-

WE REQUEST THAT CONSIDERATION SHOULD BE GIVEN TO SUPPLYING WATER TO R.M.S. "DARWIN" AND M/V "A.E.S." AT THE FLAT RATE OF 3/- PER TON, WHATEVER HOUR THE WATER IS DELIVERED.-

IN VIEW OF THE FACT THAT BUTCHERIES CAN RECEIVE UNLIMITED WATER FOR A WATER RATE OF £10 PER ANNUM, WE CONSIDER THAT THE FLAT RATE OF 3/- PER TON FOR WATER SUPPLIED TO VESSELS SHOULD MORE THAN COVER THE LABOUR COSTS INVOLVED.-

YOURS FAITHFULLY,

*J. Slagge*  
J. CHAIRMAN

6/6  
BU ~~28/2/67~~  
15/5/67 30/3/67

2



6/6 497

STANLEY TOWN COUNCIL,  
FALKLAND ISLANDS.



TC/14

...3rd May..... 1967.

Dear Sir,

Council are deeply concerned about the situation which has arisen in regard to supplying visiting vessels with water. The fact that boats are watered only between the hours of 9 PM and 6 AM means that watering becomes a lengthy and unsatisfactory process. On several occasions boats have had to leave without the amount of water they required, and they are delayed unduly in any case.

Handwritten initials: S, R, G, S

This situation appears to threaten what may be a means of obtaining considerable additional income for the Colony from outside. The increasing use of this port by Soviet vessels promises to be quite profitable, but if watering is to continue to be so slow and expensive (overtime rates substantially increase watering charges), these vessels may decide to go elsewhere.

Handwritten mark: a cross with numbers 2, 4, 1

The effect of the present watering hours on water sales has been very marked, the net profit in 1966 having decreased by over £105, or approximately 33%, from the previous year.

Council are aware of the excellent reason for restricting watering hours at present: namely, that water supply to a portion of the town is reduced or entirely cut off while ships are being serviced. For this reason, Council feel it would be worthwhile to devise an alternative means of watering vessels which would not affect the town

STANLEY TOWN COUNCIL,  
FALKLAND ISLANDS,

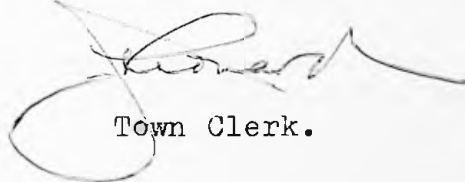
Page 2

..... 19.....

supply, and would be deeply grateful if Government would take this under consideration. Mindful of the fact that they would benefit financially from such an improvement, Council would be willing to contribute to the capital cost within their means.

I am,  
Sir,

Your obedient servant,



Town Clerk.

The Honourable, the Colonial Secretary,  
Secretariat,  
Stanley.

*Reply at 498*

*X*

*Council profit on water to ships :-*

<i>1965</i>	<i>-</i>	<i>268%</i>
<i>1966</i>	<i>-</i>	<i>127%</i>

0491/111

498

9th May, 67.

Dear Sir,

497

Thank you for your interesting letter of 3rd May (TC/14) concerning the Stanley Water Supply.

With our present plant running at a considerable loss, and to capacity, your Council has correctly appreciated the difficulties ahead but I agree with the sentiments expressed.

Unfortunately I see little prospect of any immediate improvement but as a first step I am asking for an appreciation to be prepared of the costings and the problems involved.

This is, at least, a step in the right direction.

Yours faithfully,

W H T

COLONIAL SECRETARY

The Town Clerk,  
Stanley Town Council

*Robert J. Pa*

499

No. PWD Q40.

MEMORANDUM

It is requested that, in any reference to this memorandum the above number and date should be quoted.

14th August, 19 68.

To: The Colonial Secretary,

From: Superintendent of Works, P.W.D.

STANLEY.

Stanley, Falkland Islands.

SUBJECT :- Telegram to Montevideo.

I have the honour to request that the following telegram be sent to Messrs. MacLean & Stapledon at Montevideo:-

"GRATEFUL YOU ENDEAVOR ARRANGE SHIP 3 TONS SULPHATE ALUMINA "ISUSA" "M.P.K." PER 'F.S. 216' URGENTLY REQUIRED."

See 500

*MacLean*

Supt. of Works.

32

8

# MACLEAN & STAPLEDON S.A.

CODIGOS  
A.I.-A.B.C. 5TH. EDITION  
NEW BOE CODE WITH "Q" LIST  
BENTLEY'S

FUNDADA EN 1901  
CASILLA DE CORREO 193  
COLON 1486-90

DIRECCION TELEGRAFICA  
MACSTAPLE MONTEVIDEO  
TELEFONOS 97474/78  
T. T. 27



**MONTEVIDEO**  
(URUGUAY)

July 20th. 1968

Colonial Secretary  
PORT STANLEY

Dear Sir:-

We refer to your telegram of 15th inst. reading as follows:

"NO.23 GRATEFUL YOU ENDEAVOUR ARRANGE SHIP PER DARWIN TWO TONS SULPHATE ALUMINA REFERENCE ISUSA MPK URGENTLY REQUIRED"

and are pleased to inform you that 40 bags sulphate were placed onboard "Darwin" sailing today.

Yours faithfully,  
MACLEAN & STAPLEDON, S. A.

JG/vD.

AGENTES DE:

Royal Mail Lines, Ltd. - The Pacific Steam Navigation Co. - Cia. Maritima Holandesa (Uruguay) S. A., Bs. Aires, Asunción - Rotterdam South America Line - Van Nievelt Goudriaan & Co's Stoomvaart Maatschappij N. V. - The Holland Pan-American Line - Holland America Line - Cory Brothers & Co. Ltd. - Salán Shipping Companies - Flota Mercante del Estado, Paraguay - Phs. Van Ommen N. V., Rotterdam - Naviera Chilena del Pacifico S. A. Valparaiso, Santiago - Cia. de Acero del Pacifico, S. A. (Sec. Maritima) Santiago, San Vicente - Naviera Coronel S. A., Valparaiso - Cia. Maritima Valck & Manckton S. A., Valparaiso - Johnson Brelland Ltd., Liverpool - Universal Shipping & Agencies Ltd., Liverpool - Improver S. A. (Repres. Maritima), Madrid - The Falkland Island Trading Company, Ltd. - Colonial Government of the Falkland Islands - Crown Agents for the Colonies - Albion Star (Southampton) Ltd. - Albion Star (South Georgia) Ltd. - A/S Albion Star (Sandefjord) - J. D. Hewett & Co. Ltd., London - Vitalis L. A. Milanowski, Bs. Aires - Simeco S. A., Bs. Aires - Comar S. R. L., Bs. Aires - Sudatlantica S. A. Bs. Aires - Interamericana de Navegación S. A., C. I. y F., Bs. Aires - Cia. de Navegación Costera Argentina S. R. L. - Lucera & Bramante, Bs. Aires - Arnaldo Braggio & Cia., Bs. Aires - Trébal Enp. de Nav. S. R. L. Bs. Aires - Luciano Castro & Cia. Ltda. Santos - Navegacao Sanitisa Ltda., Santos - Navegacao Trasmor Ltda., Santos - The Liverpool & London & Globe Ins. Co. Ltd. - The Marine Ins. Co. Ltd. - Thames & Mersey Marine Ins. Co. Ltd. - The Federal Ins. Co. Ltd. - The Vanguard Ins. Co. Ltd. - Compañia de Seguros "El Globo".

AGENTES DE VENTA APROBADOS POR:



849/111

507

# MACLEAN & STAPLEDON S.A.

CODIGOS  
A.I.-A.B.C. 5TH. EDITION  
NEW BOE CODE WITH "Q" LIST  
BENTLEY'S

FUNDADA EN 1901  
CASILLA DE CORREO 193  
COLON 1486-90  
**MONTEVIDEO**

DIRECCION TELEGRAFICA  
MACSTAPLE MONTEVIDEO  
TELEFONOS 97474/78  
T. T. 27

(URUGUAY)

August 22nd. 1968

Colonial Secretary  
PORT STANLEY



Sir:-

<sup>501</sup> We acknowledge receipt of your two telegrams Nos. 26 and 27 and in accordance with your request we are forwarding your order of 10 bags sulphate alumina per "F.S.216"; per "Darwin" we will send the balance of  $4\frac{1}{2}$  tons.

Regarding the Sodium Aluminate, we find that all the stock in Montevideo is about half a ton and we would therefore request you to advise us per "Darwin" whether we must send that quantity.

Yours faithfully,  
MACLEAN & STAPLEDON, S. A.

*wamuel*  
\_\_\_\_\_

GAM/vD.

Reply at 510

s/us,  
Pz. advise urgently.

*f c.s.*  
29.8.68

AGENTES DE:

Royal Mail Lines, Ltd. - The Pacific Steam Navigation Co. - Cia. Maritima Holandesa (Uruguay) S. A., Bs. Aires, Asunción - Rotterdam South America Line - Van Nievelt Goudriaan & Co's Sloopvaart Maatschappij N. V. - The Holland Pan-American Line - Holland America Line - Cory Brothers & Co. Ltd. - Salén Shipping Companies - Flota Mercante del Estado, Paraguay - Plis. Van Ommen N. V., Rotterdam - Naviera Chilena del Pacifico S. A. Valparaiso, Santiago - Cia. de Acero del Pacifico, S. A. (Sec. Maritima) Santiago, San Vicente - Naviera Coronel S. A., Valparaiso - Cia. Maritima Valck & Monckton S. A., Valparaiso - Johnson Bretnand Ltd., Liverpool - Universal Shipping & Agencies Ltd., Liverpool - Inraprer S. A. (Repres. Maritima), Madrid - The Falkland Island Trading Company, Ltd. - Colonial Government of the Falkland Islands - Crown Agents for the Colonies - Albion Star (Southampton) Ltd. - Albion Star (South Georgia) Ltd. - A/S Albion Star (Sandefjord) - J. D. Hewell & Co. Ltd., London - Vitalis L. A. Milanowski, Bs. Aires - Simoca S. A., Bs. Aires - Comar S. R. L., Bs. Aires - Sudatlantica S. A. Bs. Aires - Interamericano de Navegación S. A., C. I. y F., Bs. Aires - Cia. de Navegación Costera Argentina S. R. L. - Lucero & Branante, Bs. Aires - Arnaldo Braggio & Cia., Bs. Aires - Trébal Emp. de Nav. S. R. L. Bs. Aires Luciano Castro & Cia. Ltda. Santos - Navegacion Sanista Ltda., Santos - Navegacion Trosina Ltda., Santos - The Liverpool & London & Globe Ins. Co. Ltd. - The Marine Ins. Co. Ltd. - Thames & Mersey Marine Ins. Co. Ltd. - The Federal Ins. Co. Ltd. - The Vanguard Ins. Co. Ltd. - Compañia de Seguros "El Globo".

AGENTES DE VENTA APROBADOS POR:



30th August

63

Dear Sirs,

507

Thank you for your letter GAM/vD of 22nd August 1963, regarding chemicals.

It would be appreciated if you would obtain on our behalf the half a ton of sodium aluminate mentioned in your letter, and forward it to Stanley by this DARWIN.

Yours faithfully,

(R. Browning)  
for COLONIAL SECRETARY

Messrs Nucleon & Stapledon, S.A.,  
Casilla de Correo 195,  
Colon 1486-90,  
MONTVIDEO

Reply at 512.

15

PA

0491/III

511

9th September, 68.

Superintendent, Public Works Department

Colonial Secretary

c.c. Acting Colonial Treasurer.

Water charges for E.S.R.O. station.

As you know, the E.S.R.O. station uses water and because it is outside the town area does not pay any water rate. Will you please assess a water rate (based on Town Council assessments) for the E.S.R.O. station and submit at the appropriate time of the year (i.e. roughly in accordance with Town Council rendering of accounts) a bill to E.S.R.O. payable to Government.

By copy of this letter the Acting Treasurer is asked to note this and I am sure he will appreciate that the revenue should correctly come to Government for the head of the Bay station.

*Reply*  
*513*

*P*

*W.H. Thompson*

(W.H. THOMPSON)  
COLONIAL SECRETARY



# MACLEAN & STAPLEDON S.A.

FUNDADA EN 1901

CODIGOS  
NEW 80E CODE WITH "Q" LIST  
BENTLEY'S SECOND PHRASE CODE

CASILLA DE CORREO 193  
COLON 1486-90

DIRECCION TELEGRAFICA  
MACSTAPLE MONTEVIDEO  
TELEFONOS 97474/78  
T. T. 27

## MONTEVIDEO

(URUGUAY)

TELEX: 770 MACSTAP CX



September 5th. 1968

Colonial Secretary  
PORT STANLEY

Dear Sir:-

With reference to your letter dated 30th ultimo No. 0491/III, please note that as requested we are shipping per "Darwin" this opportunity,

500 ks Sodium aluminate, and  
4.500 " Sulfato alumini.

Yours faithfully,  
MACLEAN & STAPLEDON, S. A.

JG/vd.

513

Stas,

To see pl.

h.c.s.  
12.9.68.

Received the above.  
13/9/68.

No. PWD 040.

MEMORANDUM

513

It is requested that, in any reference to this memorandum the above number and date should be quoted.

13th September, 1968.



To: The Colonial Secretary,

STANLEY.

From: Superintendent of Works, P.

Stanley, Falkland Islands.

SUBJECT:- Water charges for E.S.R.O. Station.

Reference your letter 041/III dated 9th September, 1968.

I have obtained the rates etc. based on Town Council assessments, and to be able to come up with an answer I need to know the Property value as assessed by E.S.R.O. for agreement, I have pursued this but with little success so far, I shall have to get a break down value excluding instruments etc. and hope to come up with it soon, it would assist me if this information is in the Secretariat files?

*M. Royane*

Supt. of Works.

515.

Have submitted  
will come into operation Jan 69.  
JWR 25/8

514.  
SPW  
we have no figures  
but I suggest Space East x 4.  
W: 19/8

MEMORANDUM

516

It is requested that, in any reference to this memorandum the above number and date should be quoted.

23rd September, 19 68.

To: The Colonial Secretary,

From: Superintendent of Works, P.W.D.

Stanley, Falkland Islands.



SUBJECT :- Water Supply.

In view of recent complaints concerning the Plumbers, I think I should forward this report, this past week we have had three burst pipes in the Town, two of which were mains, we lost a considerable amount of water and it was only by the assistance of the Plumbers that we maintained a Town Supply, one Plumber worked all hours on the repairs and the other volunteered to stand in for extra pumping at the Filtration Plant, and I was with them until 12.30 p.m. on Friday night, again we were called out late Saturday afternoon and the supply was remedied by the Plumbers.

There has been many other items of less importance done by the Plumbers in these recent weeks, but much to their credit.

*L. Lyons*

Supt. of Works.

~~*Supt. of Works*~~

See 517

Water Supply.

Col. Sec.



Public Works Department,  
Stanley, Falkland Islands.

16 Oct. 1968

6.0  
519

I have made frequent visits from time to time to the Filtration Plant and discussed the seriousness of reservoir levels with the senior operator, and improvements made are always short lived, I feel any further pressure from me could explode an already delicate situation.

I can truly say I have found the senior Plant Operator normally a hard working and usefull man, and never in this or any other capacity has there been any friction between his assistant's or this Dept. and I fail to understand why the recent change, but in view of such neglected responsibility which is constantly taking up much of my time I cannot condone his actions.

The attached figures speak for themselves, and I have the graphs for further reference should they be required. Perhaps further action from Secretariate level would be advisable.

J.W. Loyans  
S.P.W.

# Loss of Water.

518a

As a result of constant fall in reservoir levels I have made various investigations and have found that although the Graph showing hours and galls per hr from the Filtration Plant was within reason, we still never made any headway in the reservoir, I naturally then assumed the loss must be from leakage, there were in fact four very old bursts in mains and services which were remedied, and still no improvement in the reservoir.

I was naturally concerned, and so since Sept 12 I have kept a double check by taking a daily record from each pumping arriving at the reservoir, and it most certainly did not correspond with the Filtration graph, it has since cost me two full days and numerous hours also involving many others from the Dept. the expence has by no means been slight.

After having my doubts about the accuracy of the Filtration graphs I took possession of the more recent ones and have discovered :-

The Readings by graph for Wk. Sept 21st.

Shift	Hrs pumping	Normal Hrs	Galls Lost.
Day.	31½	35	19,250.
Noons.	31½	35	19,250.
Nights.	5.	105.	<del>5,500.</del>

Actual pumping after studying the graph was :-

Day	26½	35	52,250.
Noon.	35	35	—
Night	6	6	—

Graph readings Wk ending 28th.

Day	41½	35	?
Noon.	33½	35	8,250.
Night.	10½	10	?

Graph should have read:

Day	33½	35	8,250
Noon.	38½	35	—
Night.	10½	10	—

Graph readings Wk Ending 5. Oct

Day	29½	35	30,250
Noon.	23½	35	63,250
Night.	9	10	5,500.

Graph in true reading.

Day	24½	35	57,750
Noon.	27½	35	41,250.
Night.	10	10	—

TOTAL in 3 Wks.

DAY SHIFT.  
LOST 118,250 Galls.

AFTERNOON SHIFT  
LOST 41,250 Galls.

NIGHTS. NIL.

\* Actual pumping hrs. regardless of any manual interference.

terminate on file.

519

7f. 518 and 518A.

24. 10. 68

I visited Water Supply this afternoon with SPW.

I gave instructions that a report on Pumping results ~~was~~<sup>is</sup> to be presented to me on 2 November and again at beginning of December.

There should not be water out.

The fact that I am taking an interest would appear to be a sufficient incentive for action by the operators.

I very much approve of the SPW's tactful approach to the matter, which, in the circumstances, is the proper one.

D.I.

24. 10. 68

10/24

0291/2

52c

No. WD 040.

**MEMORANDUM**

It is requested that, in any reference to this memorandum the above number and date should be quoted.

4th November, 19 68.



To: The Colonial Secretary.

From: Superintendent of Works, F.W.D.

STANLEY.

Stanley, Falkland Islands.

SUBJECT :- Water Supply.

Reservoir water levels have shown a slight improvement prior to your visit on the 27th October, but have shown a vast improvement since, reservoir levels have in fact doubled in comparison to the week ending 20th October with one shift less.

*S. W. Royans*

Supt. of Works.

*W. G. M.*

*Pa*

12

C.S.

Arising from the report by A.G. Sims at  
 §.48(2) of P.908 concerning the presence of rats in  
 & near the filtration plant, and you like me to thank  
 S.W. requesting him to ensure that everything possible  
 is done to remove these vermin from the plant. Much  
 the Plant Operator, told me that they have been found  
 drowned in the tank which contains the filtered water  
 pumped to Stanley.

see 522

23/9

A.C.S.

4  
Kee.

23/9



24th September

70.

From: The Colonial Secretary,

To: The Superintendent of Public Works,

STANLEY.521 Rodent Control: Filtration Plant.

Arising from the recent illness of the Assistant Filtration Plant operator, it has been brought to my notice that rats have been found in and near the plant and at least on one occasion they have been found drowned in the tank which contains filtrated water pumped to Stanley for household consumption.

2. I should be grateful if you would take early measures to ensure that everything possible is done to remove the vermin from this building and its immediate surrounds.

(H. L. Bound)  
for COLONIAL SECRETARY.

Reply at 523.

Copy: S mo

AC.

By: 8.10.70 (KIV)

No. P.W.D. 040

MEMORANDUM

It is requested that, in any reference to this memorandum the above number and date should be quoted.

26th. September, 19 70.

To: Colonial Secretary,

From: Superintendent of Works P.W.D.

STANLEY.

Stanley, Falkland Islands.

SUBJECT:- Rodent Control - Filtration Plant.

522

With reference to your Memo 0491/III of 24th. September, 1970.

Measures to eradicate these rats have been in force for over two years to my knowledge and the pressure stepped up at frequent intervals to ensure the orders are being complied with. Complete eradication however is extremely difficult for long periods as they have neighbouring areas in which they do survive.

2 I appealed to the Town Council last year about allowing the Rodent Control Officer to extend his boundary to all areas at the Moody Brook and I received no co-operation as they say the Rodent Control Officer is limited to Stanley. They did however write to the Commanding Officer, Royal Marines in an effort to bring it to light, but the reply indicated a protest from them.

3. With our limited resources we are doing all we can to rid us of this pest altogether, as notices within the Plant indicate, but I am convinced that nothing short of total war between the combined forces of Farmer, Royal Navy, Royal Marines, P.W.D. and Rodent Officer versus the rats will achieve any more than we have already achieved.

Superintendent of Works.

22

524

8  
0Stanley Water Supply

Our pumping and filtration plant was installed some fourteen years ago since when it has, on the whole, given excellent service, having run, I believe, for some 50,000 hours and pumped more than 300 million gallons of water. However the plant has been under the overall supervision during this time of a succession of Superintendents of Public Works none of whom was qualified in Water Engineering. The present Superintendent, Mr. E. W. Royans, has advised me that the time has come to have the plant examined and checked and advice regarding its future given by someone properly qualified to do so.

I expect in due course to send you an application for the provision, under technical assistance arrangements, on a short-term (74 to 6 weeks) basis, of a qualified Water Engineer to undertake this task. Meanwhile the purpose of this letter is to alert you to the fact that an application is being prepared so as to enable you to warn your Development Division. In this context you may wish to know that Mr. Royans will be going on leave in April next. He would therefore be available for consultation with O.D.M. and there might well be virtue in arrangements being made for him to do a bit of brushing up on water engineering matters as he will be returning here for a further tour. The technical assistance expert himself would need to be here when Mr. Royans was here, and during the summer. Thus the expert would be required to be here in about January/February, 1972.

Some statistical and other relevant information about our Filtration Plant is set out on the attached sheet.

(J. A. Jones)  
Colonial Secretary

See S29  
- 540

A.C.W. Lee, Esq.,  
Gibraltar and South Atlantic Department,  
Foreign and Commonwealth Office,  
Downing Street,  
London, S.W.1

JB

copy to S/1004

STANLEY FILTRATION PLANT

A

(1) Make: Paterson Engineering Company. Their Ref: 4061/FI 1956  
Type: Water Treatment Plant.  
Capacity: 6,000 gallons per hour.

(2) Commissioned in March, 1957

(3) Number of hours operational from Plant to Reservoir: 55,000.

Number of hours operational from Reservoir to High Level Tank: 13,000.

(4) Number of gallons of water treated and pumped from Woody Brook to the Reservoir: 300,000,000 gallons.  
Number of gallons of water pumped from the Reservoir to the High Level Tank: 70,000,000 gallons.

B

(1) Staff employed Two permanent operators, one part-time at the Filtration Plant.  
One part-time at the Reservoir.

(2) Processes Sedimentation, Filtration and Sterilization.

(3) Chemicals used in the treatment  
(a) Nafloc Dry Sodium Aluminate  
(b) Crushed Alumina Ferric  
(c) Undried Vacuum Salt (through Clorocel Salt Saturator)  
(d) Sodium Carbonate.

Capacity of Reservoir: 355,100 gallons.

Capacity of High Level Tank: 101,200 gallons.

526

Minutes of Executive Council Meeting No. 1/71.

held on 21st and 22nd January 1971.

0491/III

- b) That the Superintendent of Works had suggested that in view of its age it was time that the Filtration Plant was inspected by a qualified engineer. It was intended to ask for a visit to be made for the purpose, under British Technical Assistance arrangements, early in 1972. The expert would examine and report upon the water filtration plant and the Stanley water supply system.

Pl. p. 526 to CS  
on 1/4/71

*Brown*  
ACTING CLERK OF COUNCIL.

S.P.W.

Your memo at 523. Is there any improvement in the situation?

Perhaps with a new man in charge & a higher standard of cleanliness maintained there will be less incentive for rodents to settle.

15.2.71

cs ops.

There has been no further report on the presence of rats since the incident mentioned on p. 522.

I have every confidence that the new man would report any sign of poor standard of hygiene in or around the plant, in any event in this case I trust him but it does not effect any slackening off of my own periodical inspections, in view of the fact that as mentioned in p. 523 para 3. rodents do migrate, and we can settle down to the chore as being a continuous one for an indefinite period, although as I repeat, no further incident of presence of rodents have been reported.

15/2/71

pls. T.Y.

2 I have the impression that tap water is much cheaper than it was, so perhaps things are improving at the filtration plant.

3 The should be OK to me in April for application at b.o.f. to be sent to FLO (ODR). Meanwhile the form should be typed, in 6 copies, in preparation.

c.s. your Bm on 526 pl.

1.4.71

Rev BU on p 526  
Bu. 1.4.71 1526 ab

1st April, 1971.

524 Stanley Water Supply

In December last I wrote to Tony Lee advising him that I expected in due course to send him an application for the provision under technical assistance, on a short term basis, of a qualified Water Engineer. I have not - I assume due to the postal strike - had any reaction to that letter, but I am nevertheless forwarding in four copies a formal application for the provision of this expert under technical assistance. The target date, as you will see from the application form, for the visit is January/February of next year so that there is, I hope, ample time for recruitment.

Our superintendent of Public Works, Mr. T. W. Royans, will be on leave in Britain during part of April and the whole of May and June and could be available for consultations with the C.D.A. if necessary. His leave address is c/o 88 Belt Road, Hednesford, Staffs.

J. A. Jones  
Colonial Secretary

G. P. Kinnear, Esq., O.B.E.,  
South Atlantic & Indian Ocean Dept.,  
Foreign & Commonwealth Office,  
Downing Street,  
London, S.W.1.

See 540

AG

cc: Mr. T. W. Royans (Note last paragraph)

Rr 10/6

Application for British Technical Assistance

Provision of an Expert

Government of ..Falkland Islands.....

1. Type of appointment	Advisory
2. Number required	One
3. Authority to whom expert responsible	Colonial Secretary
4. Date required	January/February 1972
5. Duration of appointment	Six Weeks
6.(a) Background to and description of project for which expert required, (Please indicate as concisely as possible the general nature of the project, development scheme or training programme etc. stating whether this comes within the Government's development programme. It is important to know whether the application is related to a projected or newly started enterprise, the extension, re-organisation or maintenance of an existing one, and whether it is a one-time or continuing operation. In the case of a feasibility survey the source of capital to finance the implementation of any recommended scheme should be stated.)	To check and examine the Water Filtration Plant near Stanley, and advise on its future and on the future of the water supply to the town of Stanley.
(b) Details of any previous application to fill vacancy through United Nations or other source.	N/A
(c) (i) Is the vacancy on the regular establishment of a Government Department or other institution?  (ii) If so, please state the local salary mean.	N/A
(d) <u>Additional Information for Industrial or Engineering Projects:</u> Please indicate the output or estimated output and number of workers involved in the industrial or engineering concern. If a construction contract is involved particulars should be given, including whether the contract provides for interim operations and/or the training of personnel by the contractors; it should be stated if a contract has been signed and the completion date indicated.	

N.B.1. Two copies of this form should be completed for each application

2. This form should not be used in applying for

(a) Assistance under the Colombo Plan

(b) for appointments eligible for Overseas Service Aid Scheme terms.



(e) Additional Information for Education and Training Projects:

Please indicate scope of project, status of educational institution involved, and whether it is maintained from public funds or grant-aided, number and nationalities of students involved and their age groups and academic levels. Copies of syllabuses (existing or proposed) should be provided. Information should also be given regarding equipment available (e.g. laboratory facilities etc.)

N/A

(f) Additional Information for Agricultural Projects:

Please state what staff and facilities exist and what capital is available for implementing the project, with a brief summary of the data already available.

N/A

(g) Additional Information for Research Projects:

Please state what equipment (e.g. laboratory facilities) and data can be made available.

N/A

## (h) Any other information which may help in selection of an expert.

See attachment to FIG letter No. 0491/III of December 1970, entitled Stanley Water Supply: Stanley Filtration Plant.

7.(a) Essential qualifications and experience required.	Qualified Water Engineer
(b) Any additional desirable qualifications.	-
(c) If knowledge of a particular language is essential or desirable, please give details.	-
8. Age limits	-
9. Full details of the duties of the expert, e.g. is he to act as a consultant or to be associated with the management of the project?	To produce a report with recommendations on the present Filtration Plant near Stanley and the town water supply.
10. Associated staff (in appropriate cases please say what provision has been made for supporting staff). Please indicate the level of staff with whom the expert will be working.	Superintendent of Public Works. Filtration Plant Operators (two)
11. In the case of continuous projects please give name and particulars of understudy or counterpart who will work with expert and say what arrangements will be made to train a local successor.	-

TERMS AND CONDITIONS OF APPOINTMENT

12. Actual place of employment (and nearest town if appropriate).	Stanley
13.(a) <u>Quarters</u> Is suitable living accommodation provided?	-
(B) If so provided, is accommodation furnished or unfurnished?	-
(c) Is accommodation suitable for (i) a married man without a family? (ii) a married man with a family?	-
(d) Where quarters are not provided please give information about the availability of housing or hotel accommodation.	Accommodation at the daily rate of £2.10.- full board or 25/- bed/breakfast available at the Upland Goose Hotel, Stanley.
(e) Can furniture and household requisites be bought locally, and would it be cheaper to buy locally rather than to buy and bring from Britain?	-

14. Allowances

Please state where appropriate

(a) Daily allowance for food

-

(b) Daily allowance for accommodation

-

(c) Daily and nightly subsistence allowance rates when on duty away from headquarters.

-

(d) Internal travel allowance rates (or if a car is provided for official journeys?)

-

(e) Any other allowances

-

15. Will medical and dental treatment and hospital arrangements be provided free for the appointee and his accompanying dependants? If not, please state what assistance, if any, is offered by the Government in this respect.

Yes

16. Will exemption be granted from payment of customs duties, income and other taxes?

Only taxes levied in the Colony are on income and import dues on tobacco and spirits.

17. What arrangements are there for local leave?

-

Signed ..... (J.A. Jones) .....  
..... COLONIAL SECRETARY. ....

On behalf of the Government of the Falkland Islands .....

Date ..... / April 1971. ....

0491/111

535

No. 040

MEMORANDUM

It is requested that, in any reference to this memorandum the above number and date shall be quoted.



21st. May, 1971

To; Colonial Secretary,

STANLEY.

From; Acting Superintendent of

Stanley, Falkland Islands.

SUBJECT :-

Water Supply.

To complete the cleaning of the water supply at the Filtration Plant, a type of coarse sand is needed for the main filters. We can obtain this from the Murrel River, transporting by boat. Sand bags are required for this, these I can purchase from B.A.S. at a cost of £6 . 50. There will be other costs of labour and hire of m.v. Alert for transport and navvies for loading and unloading. Our vote XVI 2, Water Supply, will not stand the cost of the above work and with your permission I would like to use Head XVI/5 Minor Works to cover these costs.

C.S.

Submitted pl.

23.5.71

*M Bennett*

Acting Superintendent of Works.

Ag. A.C.S.

What is the total expenditure involved? I must know this before I can take a decision. J 26/5

536

Ag S/W,

would you please provide the details  
requested by C.S. unless.

C.S.  
26.5.71.

6/5

The estimated cost of transporting the sand from Murrel river  
to Subaction Place about £22. plus the sand bag. from P.B.S.  
at £6.50 total ~~29~~ £28-50

SB

Ag S.P.W.

1-6-71

C.S.

estimate of Ag. S.W. at 536 submitted pl.

2.6.71.

Ag. C.T. via  
Ag. H.C.S. 2.6.71.

p. 535-7.

I approve the augmentation of the XVI sub-head 2: Water Supply, by £28.50 through equivalent savings under Head XVI sub-head 4 house works as it is a variation within the Head. The total of the Head must not be exceeded as a consequence.

2 Facts to be reported to next P.F.C. meeting. J 4/6

C.S. Noted thank you.  
H.C.S. 3/6/71.

Ag. S.P.W.

To note that your proposal at p. 535 has now been approved. Action may proceed. Treasury will advise you, if necessary, regarding the financial details.

4.6.71.

Ag S.P.W.  
MB

9.7.71  
30.6.71.  
(529)

C.S.

Nothing in the mail further to  
page 529 pt.

§

9.7.71.

Ag. Res.

Noted. Re the file for the day after SPW's  
expected resumption of duty. We may have  
information for us.

Done ✓

2 Mr Rowlands' attention should be invited to  
my memo to Mr Sumner p. 537. At same time  
Mr Rowlands should be asked to let me have an idea  
of the amount of business awaiting attention by PTC.

Done ✓

3 The Form at b.o.f. could be used for <sup>reproduction</sup> ~~copying~~  
a number of the fresh blanks we need.

Done ✓

4 Do we have copies of other A forms -  
specifically the Form (? A/b, A/s) on which  
I should make the application for provision of funds  
for the airfield project?

J  
06/9/71

Ag. C.I.

To you i.c.w. para 2 above pt.

§  
C.S.

9.7.71.

Ag. C.S.

2. Noted. J. Y. S. J. B. ~~attended~~ dealt with  
the business referred to in 2. on 26/7/71  
at 25/7/71

By 3.8.71.  
(mail - 9/50 min)

540

F.I.G. Ref: 0491

24th August 1971

7  
6

Stanley Water Supply

524  
529

I have had no reaction to my letters of December, 1970, to Lee and of the 1st of April this year to you about the provision under technical assistance, on a short term basis, of a qualified Water Engineer. Our Superintendent of Public Works, T. Royans, who has just returned from leave, tells me that the O.D.A. did not contact him in connection with the matter when he was on leave, so that we are quite without information. I would be grateful if you would let me know the position.

(J. A. Jones)

G. F. Kinnear, Esq., C.B.E.,  
South Atlantic and Indian Ocean Dept.,  
Foreign and Commonwealth Office,  
London, S.W.1.  
SW1A 2AL

Bu 1 month  
J. A. Jones

Reply - 559

Bu. 24.9.71



Telegrams Crown London SW1  
Telephone 01-222 7730  
Telex 916205

*J.P.K.*

542  
**CROWN AGENTS**  
FOR OVERSEA GOVERNMENTS AND ADMINISTRATIONS

Q Department **MILLBANK**

LONDON SW1

Our ref Q367/39

Your ref

Date 26 August 1971

[ J A Jones Esq OBE  
Colonial Secretary  
Falkland Island Government  
Stanley  
FALKLAND ISLANDS ]

Dear Mr. Jones,

We have been asked by the Overseas Development Administration to send an engineer to the Falkland Islands to examine and report on the water supply to the town of Stanley.

2 It will probably save much time if we can assemble as much information as possible beforehand so that it can be studied in this Office. We have already received one sheet of general information from ODA, which is being examined and we are in touch with Paterson Candy International from whom we hope to obtain further information, particularly regarding the filter plant.

... + 1 3 There is however further information we should like to have and we have listed this on the attached sheet.

Yours sincerely

*M J P Casserly*  
M J P Casserly

*1/2 Pass immediately to PWD to compare the replies to the questionnaire. We should send as the reply in duplicate.*

*2 Copy of PWD's answer to the questionnaire can then be attached to reply to above letter from UFF which PWS should issue.*

*J.P.K.*

S.C.

*Full detail attached. in duplicate.*

*Dist 22.9.71*

QUESTIONNAIRE - FALKLAND ISLANDS: STANLEY - WATER SUPPLY

1. Present population being ~~served~~<sup>SERVED</sup>:
  2. Estimated percentage increase in population to be served in 1991:
  3. Any plans for development involving water supply?
  4. Are bulk supplies provided to ships, etc?  
If so, how much per month? Future requirements?
  5. Provide copies of any earlier reports on development, water supplies, geology etc. or a list of these reports if copies are not available.
- 
6. Are all supplies metered?
  7. Is the source of supply of raw water considered adequate for present needs?
  8. Provide copies of last ten chemical and physical analyses of the raw water.
  9. Is the supply a gravity, pumped or combined supply?
  10. What are the routine chemical tests carried out at the plant and at what time intervals?
  11. How are the chemicals added to the water?  
Please give average dosage of each.
  12. Is the practice of pre- and post-chlorination adopted?  
Give average dosage in each case.  
Is the Chlorocel Salt Saturator in good condition? Please give Model No. and Type.
  13. What is the normal rate of filtration adopted?  
(In gallons per sq ft of filter area)
  14. How often are the filters washed?
  15. What type of pipes are used for distribution?  
Please give maximum dia. and approx. age.
  16. Is each consumer provided with a roof storage tank?
  17. What is the general pressure (in lbs. per square inch) in consumers premises?
  18. Are there any Public Watering points?  
If so, give approx. number.

19. Please provide a layout of the treatment plant (scale about 200 ft = 1 inch), showing interalia., the points of application of the chemicals, location and size of flow measuring devices, and relative elevations of main elements of the plant.
  
20. Please provide a brief report on the operation of the supply and any problems being encountered.

No. 0491/III

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

549  
COLONIAL SECRETARY'S OFFICE,  
STANLEY, FALKLAND ISLANDS.

27th September, 1971.

Dear Sirs,

542  
Thank you for your letter Q367/39 of 26th August 1971, regarding the appointment of an engineer to examine and report on the Stanley water supply. The questionnaire enclosed with your letter under reference has now been completed and is enclosed in duplicate.

2. If there is any further information you require please do not hesitate to contact us.

Yours faithfully,

(H. L. Bound)  
for COLONIAL SECRETARY

The Crown Agents for  
Oversea Governments and Administrations,  
Department,  
4, Millbank,  
LONDON, S. W. 1.

ANSWERS TO QUESTIONNAIRE

FALKLAND ISLANDS - WATER SUPPLY

1. 1250.
2. Nil
3. An airfield to be sited some four miles from Stanley is expected to be constructed within the next three years. This could lead to the construction of additional hotels
4. Average 175 ton per month, 250 ton per month future requirements.
5. (PAPE REPORT) 1953 from Secretariat.
6. Metered to ships only.
7. Yes.
8. None available but can supply samples for analysis if required.
9. Gravity to Plant, pumped to reservoirs, gravity to consumers.
10. Laboratory available at the plant, no regular efficient tests.
11. By dissolving in tanks and then injecting by control nozzle to supply.
 

1 lb. CRUSHED ALUMINO FERRIC	= 1,800 Gallons
1 lb. DRY SODIUM ALUMINATE	= 7,000 Gallons
1 lb. DENCE SODIUM CARBONATE IN RAW WATER	= 8,400 Gallons
1 lb. IN FILTERED WATER	= 7,000 Gallons
12. (a) Post chlorination.
  - (b) Average reading of 5%.
  - (c) Chlorocel salt saturator in good condition.
  - (d) Model No. 40492 Type SM/30.
13. Approximately 78 gallons per sq. ft. from 2 No 7 ft. diameter filters.
14. Once every 14 hours of pumping.
15. (a) Cast iron cement lined 6" diameter from plant to reservoirs, from reservoirs to town services 3" from a high level tank, 4" diameter from the reservoir to services.
16. Yes.
17. 75 to 85 lb. per sq. in .
18. One for ships. 80 combined hydrants sluice and air valves.
19. Layout provided.

20. Brief Report: The chemical treatment plant allows for sedimentation, filtration, and sterilization for a flow of 6,000 G. P. H. The raw water gravity feeds a suction chamber, where it receives doses of sulphate of alumina, sodium carbonate, and sodium aluminate.

The water is then pumped to a coagulating tank where the chemicals are mixed. It then discharges from bell mouths into sedimentation tanks and enters a filtered tank where it receives a dose of chlorine and sodium carbonate. From there it is pumped to a storage reservoir through a 6" diameter pipe 2 1/2 miles long. There is an elevated storage tank in the filter house which provides water for cleaning filters.

Two fulltime operators work two shifts alternately, 7.30 to 4.30 and 4.30 to 12.00 midnight and one all night, part-time, usually Thursday and Friday nights.

Problems :

The holding weir at Hoody Brook was originally installed as a trout hatchery and is proving inadequate; a considerable amount of water escapes each side and under the weir. The gravity feed pipe to the plant has no well or sump in which to assist filtration and sedimentation in the initial stages, consequently during heavy rains the use of chemicals is greatly increased to combat excessive mud and foreign matter in raw water. The invert is only inches from the bed.

(1) The operators, though willing have no means of receiving refresher courses or the advantage of any modern methods and over the course of fourteen years a change of operators has occurred 6 or 7 times. Consequently there is no one with sufficient technical knowledge in this field to be able to, not only restore complete efficiency, but to improve on production and economy, particularly on the chemical and laboratory side.

(2) In the whole of the supply there is no system employed with regard to detecting loss of water and pressure from bursts and leaks. Only when it becomes obvious are these ever detected.

(3) The supply is now equal to the demand. Only by two days of 24 hours pumping can a reserve be built up sufficiently to supply over the weekend. Seven days pumping is sometimes necessary if the demand increases as a result of watering ships, burst mains and cleaning out reservoirs.

C.S.

Recent pages on this file for information please.

§

29.9.71.

Not Sir,  
y/k. Why NIL for Question 2? I would have thought that 2000 was no more but they wish to be from p. 142 - the slow

progress of our efforts to have the Stanley Water supply situation looked at under technical assistance arrangements by a qualified engineer.

R.L.G.  
30/9

[Signature]

y/k. R.L.G. 30/9

The question to which it is the answer is "Estimated percentage increase in population to be found in 1991". Strategy population remains pretty well static.

Not Sir,

Between the population has been stable for the past 10 years so no guarantee that it will stay the way. Over we have seen our services you will find the plan has subtle alterations.

R.L.G. 30/9

R.L.G. 1/11

15th October

71

Superintendent, Public Works

Colonial Secretary

I am attaching a copy of a letter which reached me through the ordinary mail earlier this week.

2. As you know, we have recently supplied the Crown Agents, in the person of Casserly, with answers to a questionnaire connected with the job which he will be doing here.

(J. A. Jones)  
Colonial Secretary

JB

S/C F + R to ACS i.e.w. minute below

ACS P. Sp early w.r.t. admin. atms. i.e.w. Casserly's  
assignment.

J/18/10

J/18/10



FOREIGN AND COMMONWEALTH OFFICE  
OVERSEAS DEVELOPMENT ADMINISTRATION  
ELAND HOUSE, STAG PLACE, LONDON SW1E 5DH

Our Reference: RC328/56/01

Your Reference: 0491/111

9/14/10 15 September 1971

J A Jones Esq  
Colonial Secretary's Office  
Stanley  
FALKLAND ISLANDS

Please refer to your TA Form A1 about the Technical Assistance assignment in connection with the Stanley Water Supply.

The Crown Agents have nominated their M J P Casserly, FICE, FIWE for the job. He is very experienced in such matters and not unacquainted with your local problem at first remove. Indeed, the Crown Agents think he will be able to do all that is required well inside the 6 weeks which we mentioned to them as the outside limit. They will be writing to you for further information so that as much as possible, may be sorted out here before the visit early next year.

We hope that they will be able to give you all the help you need in this connection.

Yours sincerely

M F G Wentworth

Stc FR in 0491 vol 3 J/15/710

Res Minute p.556 J/21/110

Link at USH for approx 4 weeks in Jan  
+ inf. S/W - Kiv transport etc arrangements with Port

559  
Telegrams Crown London SW1  
Telephone 01-222 7730  
Telex 916205

CROWN AGENTS

FOR OVERSEA GOVERNMENTS AND ADMINISTRATIONS  
Q Dept.

4 MILLBANK

LONDON SW1P 3JD

Your ref Q 367/39



Date 19 October 1971

Your ref

Colonial Secretary  
Colonial Secretary's Office  
Stanley  
FALKLAND ISLANDS

Dear Sir

STANLEY WATER SUPPLY  
YOUR REF. 0491/III

558  
Further to my letter of 14 October 1971, I have now had more time to study the replies to the questionnaire and there are some further points on which I should like your assistance:

- (a) A map of the whole area involved would be very useful, showing the location of the water supply plant and intake in relation to the town of Stanley, as well as the location of the reservoir and high level tank. Contours or spot elevations at the locations above, top water and low water levels in the reservoirs, and a general elevation of the town area would be of assistance if these are available.
- (b) I should like to see Drawings of the Weir & Intake, if available.
- (c) Could you please confirm that the pressures given in item 17 of the questionnaire are correct. These can be given in feet head of water if preferred.
- (d) I have been in contact with Paterson Candy International who have some of the records of the plant installed. They have given me a print of their drg No. 93151/A which shows the general arrangement of the treatment plant itself. I have asked them for certain information on both the low lift and high lift pumps but I would be grateful if you could let me have the rating details, given on the plate fixed on each pump. Could you also let me know the present pump performance for each of the high lift pumps over a normal pumping period. This can probably be obtained from the recording meter in the pump house or by measuring the rise in the water level in the reservoir, with the outlet closed.

contd../2.

Reply at 570.

A  
/YK

Q 367/39

From: THE CROWN AGENTS.

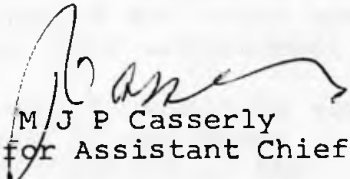
Continuation Sheet

To Colonial Secretary  
Stanley FALKLAND ISLANDS

Date 19 October 1971

- (e) Item 13 of questionnaire - was this quantity measured or calculated?
- (f) Item 11 of questionnaire - to what quantity of water were these chemicals added?
- (g) Item 12 (b) of questionnaire - please give the actual residual Chlorine or indicate the current reading on the ammeter.

Yours faithfully

  
M/J P Casserly  
for Assistant Chief Engineer

/YK

560

No. P.W.D. 02.

MEMORANDUM

It is requested that, in any reference to this memorandum the above number and date should be quoted.

October 28th, 1971.



FROM: Superintendent of Works.

TO: The Colonial Secretary.

c.c. The Colonial Treasurer.

c.c. The Supplies Officer.

Stanley, Falkland Islands.

SUBJECT :-

WATER SUPPLY: CHEMICALS.

I would like to propose a change in the system of ordering and stocking chemicals used at the Filtration Plant.

Without a proper stores filing system it is becoming difficult to keep an accurate check on our reserve against one shipment to another. The Central Stores are equipped for such a system, and I recommend that between the Supplies Officer and myself we should come to an agreement on quantities and types required over a given period, the estimated cost of these chemicals should be withdrawn from P.W.D. and placed under the control of XVIII Secretariat, Treasury and Central Stores similar to that shown at (b) 9., Printing Materials.

I appreciate that the appropriate time for any such change would be during the 72/73 estimates but if it could be agreed upon now, adequate time is left to arrange shipments to coincide with ruling finance.

Superintendent of Works.

PK/TWR

DECODE.

TELEGRAM.

*From* ..... CASSERBY CROWN .....

*To* ..... COLONIAL SECRETARY .....

---

*Despatched* :        28th October                    1971        *Time* : 1646

*Received* :         28th October                    1971        *Time* :

Ref. Q36739 Request raw water sample two gallons from intake soonest preferably in plastic containers. Ensure containers sterilised then thoroughly rinsed in raw water prior to sampling consign me airfreight

CASSERBY CROWN

PL: HT

Copy to S.P.W.

561

563.

S.P.W.,

(1)

For action as indicated in the minute by C.S. on p.562 pl.

*[Handwritten signature]*

for C.S.  
2.11.71

C.S.

(2)

Two gallon containers, hospital sterilised, thoroughly rinsed and filled with new water, being dispatched first available transport.

2. Is this possible to send by next aircross? I am not aware of any better connection.

*[Handwritten signature]* 6/11/71

C.S.

(3)

I have noted details required on 559 a and b and will provide answers as soon as possible, I am returning the file now so that 561 can be settled.

*[Handwritten signature]* 6/11/71

564



*J  
M+1/11*

Foreign and Commonwealth Office  
London S.W.1

HGF 5/7

20 October 1971

J A Jones Esq OBE  
Colonial Secretary  
Stanley  
Falkland Islands

*Dear John,*

WATER ENGINEER

559

540

1. Would you please refer to your letter 0491 of 24 August and our telegram 254 of 15 October.

2. We sent your formal application for a Water Engineer under technical assistance to the ODA in May when we also informed them that your Superintendent of Public Works, Mr Royans, was on leave in this country and would be available for a discussion about the appointment if this was thought necessary. We also gave them Mr Royans leave address. I regret that in the event the ODA did not get in touch with Mr Royans nor did they ask the Crown Agents, to whom they passed the job of recruiting a Water Engineer, to do so. I hope that both you and Mr Royans will feel that the news conveyed in my telegram 254 that Mr Casserly of Crown Agents Staff has been recruited for the task starting in mid-January next year compensates for any previous omissions.

559

*Reply at 566*

*Yours ever  
George.*

G F Kinnear  
Atlantic and Indian  
Ocean Department

564A.

*J  
K  
M+1/11*

SPW.

*Be apologetic - of parts! I'll send a reply!*

KIV - 563.

*Noted.  
JH 6/11*

*JH 6/11*

0491/117

GOVERNMENT TELEGRAPH SERVICE

FALKLAND ISLANDS

5765/9

SENT

P2538 P4776/32/401381 500 11/66 R. Ward 843

Number	Office of Origin	Words	Handed in at	Date
	PSY			4.11.71
To				
	LTF MACSTAPLE MONTVIDEO			NO A/c

No. 21

PLEASE SHIP BY 'BISCOE' TWO TONS SODIUM CARBONATE URGENT STOP MASTER INSTRUCTED TO REFUSE SHIPMENT IF NOT WELL PACKED

COLONIAL SECRETARY

Time URT.



Our ref: 0491  
Your ref: HGF 5/7

9th November, 1971

Water Engineer

Thank you for your letter of the 20th October. Royans did mention to me, when he returned from leave, that he had received no summons to talk to anybody about our water problems but the news that Cassorly has been recruited to carry out the necessary assignment for us is welcome news. The only problem now is to arrange to get him here in mid-January next.

J. A. Jones  
Colonial Secretary

G. F. Minner, Esq., O.B.E.,  
Atlantic and Indian Ocean Department,  
Foreign and Commonwealth Office,  
LONDON SW1A 2AH.

*Y.E. 10/11*

The O.D.A. does not seem to have been distinguishing itself recently vide p. 564. However, it is good to know that we are to receive this expert visit early next year and have yet one more of our many problems evaluated.

J.A.J.  
9.11.71

Addendum.

Although it is not connected with the subject of this file, strictly speaking, I have had another complaint today from the Fosters, the new teachers for D.B.S., Damin, of incompetence by ODA's security machine which resulted in the Fosters being out of work & without pay for a month before coming here. I suspect our transport difficulties are at the bottom of it, but ODA's machine does seem to wreak havoc on the education staff recruitment side.

*10/11*

MACLEAN & STAPLEDON S.A.

ESTABLISHED 1901

TELEGRAPHIC ADDRESS  
MACSTAPLE MONTEVIDEO  
TELEPHONES 97474/78

P. O. BOX 193  
COLON 1486-90  
MONTEVIDEO

(URUGUAY)

CODE USED  
NEW 80E CODE WITH "Q" LIST  
BENTLEY'S SECOND PHRASE CODE

TELEX: 770 MACSTAP CX

5661



10th november 1971

Messrs  
COLONIAL GOVERNMENT  
Port Stanley  
-----

Dear Sirs:

Ref. your radiogram dated 4th inst which reads as follows:-

" BY DISCON TWO TONS SODIUM CARBONATE "

must inform that same actually is not available and must add for your information that the last on the market were packed in hessian cloth bags; please inform in due course, if we keep this outstanding order.

We beg to remain,

Yours faithfully  
MACLEAN & STAPLEDON S. A.,

JG/-

S/is.

To see from p 1, and advise re above pl.

§  
p.c.s.

19.11.71.

c.s.

Please reply:

Order still essential: ship first available opportunity.

22.11.71

Reply 571

567

0491/III

A.C.S.,  
S.P.W.,

Mr. Casserly has been recruited for the task connected with our water purifying plant and the intention is that he shall begin his work in mid-January 1972. Assuming that he will travel by the Albatross Amphibian Service you should plan on his visit covering the period mid-January to end February approximately.

*Done*  
*11.11.71*  
↓

2. In concert you should make the necessary accomodation and other arrangements for Mr. Casserly. As his is a short assignment I suggest accomodation at the Upland Goose which, for a period of four to six weeks can presumably be had at a special reduced rate. Costs should be charged to Head X Miscellaneous 19, Local Expenses Relating to Technical Assistance.

3. (To S.P.W. only) With regard to your minute p. 563 I am afraid it is not possible for me to say whether the container could be despatched by the Albatross of the 16th November. It is likely that the Amphibian will be lifting a full load of passengers and in view of the time factor there will obviously be plenty of margin for error since telegrams from me to the Embassy in B.A. may allow them insufficient time to make the necessary arrangements for onward consignment. In the circumstances I think you would be much better advised to arrange consignment by 'Darwin' leaving here on the 27th November. This will allow ample time for you to make telegraphic arrangements for the consignment's onward journey to Britain. Please put this in hand forthwith.

*(J.A.J.)*  
*11.11.71.*

*SLW*

*para 3 above pl*  
*Yr. note at 563 (3) - could this now be submitted for mailing on Mon day pl?*

*Will ship by 'Darwin'*  
*15.11.71.*  
*11.11.71*

No. 0491/III

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

COLONIAL SECRETARY'S OFFICE,  
STANLEY, FALKLAND ISLANDS,

567 (A)

.....12th November,.....19.71.

Dear Sirs,

438 (A)

Thank you for your letter ref. 9367/39 of 14th October 1971.

549

2. I apologise for omitting to enclose the layout mentioned in my letter of 27th September and now hasten to include it. Also enclosed is a copy of the Pape Report which appears to be the only copy on record in our office, and for this reason I should be grateful if you could request Mr. Casserly to return it to us when he arrives in the Islands in January next.

Yours faithfully,

(H. L. Bound)  
for COLONIAL SECRETARY

The Crown Agents for  
Oversea Governments and Administrations,  
4, Millbank,  
LONDON, S. W. 1.

CE

12th November,

71.

Dear Sir,

Further to our telephone conversation of this morning I now confirm that accomodation is required for Mr. Casserly who is due to arrive in the Colony about the middle of January 1972 and is expected to remain here until approximately the end of February.

2. I should be grateful if you would confirm that this booking can be accepted.

Yours faithfully,

(H. L. Bound)  
for COLONIAL SECRETARY

Proprietor,  
Upland Goose Hotel,  
Stanley.

CB

Reply 567c



# Hpland Goose Hotel

Stanley - Falkland Islands



17th November 1971.

The Colonial Secretary,  
Stanley.

Dear Sir ,

This is to confirm that accomodation has been reserved for Mr Casserly as requested in your letter of the 12th inst.

567b

Yours faithfully,

A.C.S.  
S.P.W.

MR. CASSERLY

A telegram was received yesterday to say that Mr. Casserly would arrive on the "A.E.S." on 4.1.72, and wished to return to Britain after a stay of 10 days. His bookings in the Upland Goose Hotel should provisionally be made to cover the period 4th-12th January on which date he will also be provisionally booked to fly out in the northbound Albatross. This latter arrangement is of course subject to change.

*done*  
J

*J.A.J.*  
J.A.J.  
18.11.71

cc: 1564

*ok file copy J*

MEMORANDUM

It is requested that, in any reference to this memorandum the above number and date should be quoted.

15th. November, 19 71.

To: Colonial Secretary,

From: Superintendent of Works

STANLEY:

Stanley, Falkland Islands.

SUBJECT :- Stanley Water Supply:

Ref: Crown Agents Q367/39 p.559 (a) 6.

- Answers to: (a) Map enclosed.  
 (b) No drawings available but photograph enclosed.  
 (c) Pressures are reported 75 to 80 or 100 ft. head of water, varies considerably throughout the town.

(d) HIGH LIFT PUMPS:  
 Type: S.N.G. 1½  
 Serial No. GZ 2627  
 Impellar Diam: 208 mm

MOTOR:  
 Type: NHP 382. 386H4 15 h.p.  
 R.P.M: 2.900 3 h.p. 50 cycles.  
 Volts: 400 20 amps MESH  
 Cont: Rating: Serial No. GZ 2634

LOW LIFT PUMPS:  
 Type: SN B.3  
 Serial No. GZ 2626  
 Impellar Diam: 177 mm

MOTOR:  
 Type: NHP 351 B4CN - 2h.p.  
 R.P.M. 1430 3 h.p. 50 cycle  
 Volts: 400 3 amp STAR:  
 Cont: Ratings: Serial No. GZ 2632.

(e) Calculated

(f) Re-Check taken place, disregard previous figure, no stands at:-

<u>TYPE:</u>	<u>AMOUNT:</u>	<u>DILUTED IN GALLS:</u>	<u>PRODUCING GALLS:</u>	<u>MINS: PUMPING</u> <u>TIME:</u>
ALUMINA	1 lb.	1½	925	7
ALUMINATE:	1 lb.	5½	2,200	25
CARBONATE:	1 lb.	8	3,800	37
FILTERED CARBONATE:	1 lb.	3	1,500	12

All these vary according to rain fall and river disturbance, percolation etc.

(g) AMMETER READING 20 amps.

NOTE: The plant produces 5,800 g.p.h. at the present moment.

*W. R. King*  
Superintendent of Works.



571

GOVERNMENT TELEGRAPH SERVICE

FALKLAND ISLANDS

SENT

WAP 15142—821 584578/790938 500 pds 12/68 Grp.782

Number	Office of Origin	Words	Handed in at	Date
	PSY			24.11.71
To				
	LTP MAGSTAPLE MONTVIDEO			HO A/c

No. 22

566b

YOUR LTR 10TH NOVEMBER STOP & SODIUM CARBONATE STOP ORDER STILL NECESSARY.  
PLEASE SHIP FIRST OPPORTUNITY

COLONIAL SECRETARY

HRT.

KIV — 560, 568

Telegrams Crown London SW1  
Telephone 01-222 7730  
Telex 916205

CROWN AGENTS

FOR OVERSEA GOVERNMENTS AND ADMINISTRATIONS  
Q DEPT  
4 MILLBANK

Our ref Q 367/39

LONDON SW1P 3JD

Your ref 0491/III

Date 29 October 1971

Colonial Secretary  
Colonial Secretary's Office  
Stanley  
Falkland Islands

Dear Sir

STANLEY WATER SUPPLY 561

I confirm having sent you the following cable on 28 October 1971:-

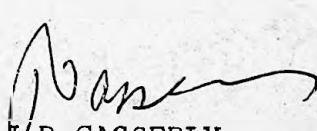
"REQUEST RAW WATER SAMPLE TWO GALLS FROM INTAKE  
SOONEST, PREFERABLY IN PLASTIC CONTAINERS. ENSURE  
CONTAINERS STERILIZED THEN THOROUGHLY RINSED IN  
RAW WATER PRIOR TO SAMPLING. CONSIGN ~~ONE~~ AIR  
FREIGHT. CASSERLY" ME

The purpose of the sample is to carry out some flocculation tests to confirm the optimum dose and type of chemicals. The samples should be as fresh as possible and taken immediately prior to their despatch from Stanley.

2 Could you also please have a plan prepared - scale 1: 10,000 approx. - of the distribution system, showing the positions of all valves on the distribution mains. This is in connection with a waste-water survey. It will not be necessary to send me the plan, but I should like to study it when I arrive. It would also be advisable to have a check made on all the above valves to make sure that they are accessible and in good operating condition. Good practice demands that each valve be operated i.e. opened and closed or the reverse, once a month and that it be established that it is fulfilling its proper function.

3 Regarding travel arrangements to Port Stanley, I hope to arrive sometime after mid-Jan. via Buenos Aires, joining the boat at Deseado. When I know definitely I shall inform you. I am also concerned about the return journey to the mainland. Any advice or information you can give me on either trip will be most welcome.

Yours faithfully

  
M J P CASSERLY  
for Assistant Chief Engineer



See 577

573

CROWN AGENTS

for Oversea Governments and Administrations  
Q Department  
4, MILBANK, LONDON, S.W.1

Telegrams: "Crown, London, S.W.1"  
Telephone: 01-222 7730  
Telex No. 916205

Q367 / 39

All letters to be addressed to the CROWN AGENTS this reference being quoted

5 November 1971

Colonial Secretary  
Colonial Secretary's Office  
STANLEY  
FALKLAND ISLANDS

Dear Sir

STANLEY WATER SUPPLY  
YOUR REF. 0491/III

Could you please let me know if there is equipment in the laboratory at the plant for carrying out the following tests:

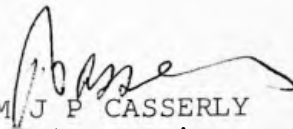
PH, colour, chlorine, ammonia & turbidity

If there is insufficient equipment available for these tests, I shall probably bring some with me.

572

Referring to my letter of 20 October, I would be obliged if you would cable me the ETA of the water samples in the U K.

Yours faithfully



M. J. P. CASSERLY  
For Chief Engineer (Civil)

See 577

Mail from 572

ED



30th November,

71.

Dear Sir,

I refer to our conversation of this morning and confirm that accomodation is required for Mr. Casserly for a period of approximately ten days commencing with the arrival of m.v. "A.E.S." on or about 4th January 1972.

2. I should be grateful to receive your confirmation of the acceptance of this booking.

Yours faithfully,

(H. L. Bound)  
for COLONIAL SECRETARY

Proprietor,  
Upland Goose Hotel,  
Stanley.

CB

## GOVERNMENT TELEGRAPH SERVICE

FALKLAND ISLANDS

SENT

577

WAP 15 821 584578/790938 500 pds 12/68 Grp.782

Number	Office of Origin	Words	Handed in at	Date
	PSY			16.12.71
To	LTF CROWN LONDON SW1			HO A/c

572-3

No. 264 FOR CASSELY FROM JONES STOP YRLETS Q 367/39 OF 29TH OCTOBER AND 5TH NOVEMBER RECEIVED 9TH DECEMBER STOP PARA 2 RAW WATER DESPATCHED TO BRITAIN 17TH NOVEMBER STOP REGRET UNABLE PREDICT ETA STOP PARA 3 PLAN OF ALL MAINS AND VALVES ALREADY PREPARED BY S.P.W. STOP VALVES ARE PERIODICALLY OPENED AND CLOSED STOP ALL VALVES CHECKED AND ARE ACCESSIBLE AND OPERATING STOP PARA 4 COLOUR CHLORINE AMMONIA AND TURBIDITY EQUIPMENT AVAILABLE STOP PH ALSO AVAILABLE BUT SLIDES INCOMPLETE STOP PARA 5 YOUR RETURN WILL BE BY AMPHIBIOUS AIR SERVICE 12TH OR 26TH JANUARY

SECRETARY


Time HRT.

KIV - 560, 575

C.A.

Other matters seem to have overtaken S.P.W.'s  
memo at \$560 + no action has been taken.

As a first step and you please offer your  
comment.


 20.12.71

b. A.

I am afraid I do not follow the reasoning. Deputy  
Officer has no knowledge of chemical requirements for  
the filtration plant, and the proposed accounting arrangement  
lacks logic. Why should chemists for the filtration  
plant appear as an item of expenditure under Secretariat,  
Inventory & Central Store?

The problem appears to be the inability of the Senior  
Filtration Plant Operator to maintain a simple consumption  
record: and I really mean simple. The problem is  
unable to find people to properly fill these posts and those  
we employ do not measure up to requirements.

It should not be impossible to get someone in I.L.D.  
to visit the Filtration Plant once a month, to take  
stock of chemicals remaining and to report back to S.P.W.  
Deputy Officer is always willing to extend the range of  
his stock provided he can store and control what he takes.  
There is no case for this item to be handled through  
the store which would, if adopted, entail additional  
handling and consequent additional cost.

L.G.

20.12.71

DECODE.

TELEGRAM.

*From* ..... CROWN AGENTS .....

*To* ..... SECRETARY STANLEY .....

*Despatched* :      6th January                      1972      *Time* : 1110

*Received* :        6th January                      1972      *Time* :

For Casserly first report on one sample only water coloured acid and no alkalinity x settlement bad with alum plus lime but improved when coagulant aid added x final report expected one week x coagulant aid rather than structural changes may be possible solution x sample being sent for site trials x high chloridees reported also good colour removal x await further cable Lawrence

CROWN

PL: HT

file ph.

DECODE.

0491

TELEGRAM.

*From*..... CROWN LONDON .....

*To*..... SECRETARY STANLEY .....

*Despatched* :      13th December                      1972                      *Time* : 1644

*Received* :            13th December                      1972                      *Time* :

For Casserly final report suggests 0.5 MG/L Coag Aid  
Magnafloc L724 after 40 Alum 26 lime may increase  
clarifier rise rate to 20 - 25 Gal/SQFT/HR without  
aid limit now is 10 Gal/SQFT/HR check if feasible to  
add Magnafloc after alum lime special equipment needed  
sample of Magnafloc on way for trials please arrange  
and cable if all clear lime after filtration needed to  
correct PH but Dezinfification likely Lawrence

CROWN

PL: HT

Copy to Mr. Casserly



585

GOVERNMENT TELEGRAPH SERVICE

FALKLAND ISLANDS

SENT

WAP 15142-821 584578/790938 500 pds 12/68 Grp.782

Number	Office of Origin	Words	Handed in at	Date
	PSY			16.3.72
To	RAF CROWN LONDON SW1			10 A/c

No. 51

FOLLOWING FOR CASSELY 'Q' DEPT STOP RECEIVED CORRESPONDENCE HAZEN MAGNAFIOR  
WILL PROCEED WITH TESTS ACCORDINGLY STOP WILL SEND RESULTS ON COMPLETION

ROYALS

Time 10.4.

Sw. 10.4.72

(RIV)

Telegrams Crown London SW1 Extn. 7113  
Telephone 01-222 7730  
Telex 66205

CROWN AGENTS

FOR OVERSEA GOVERNMENTS AND ADMINISTRATIONS

Our ref 0.367/39  
Your ref TKH/MW

4 MILLBANK

LONDON SW1P 3JD

Date 4 February 1972

Allied Colloids  
Manufacturing Co. Ltd.  
Low Moor  
BRADFORD Yorkshire  
BD12 0JZ

Dear Sirs

STANLEY WATER SUPPLY - FALKLAND ISLANDS

We write to thank you for your letter of the 13 January, 1972 and the enclosed copy of a letter you addressed to our Mr. Casserly c/o Colonial Secretary's Office, advising him of the method to use in applying MAGNAPLOC LT 24 synthetic flocculant.

2 Mr. Casserly is believed to have left the Falkland Islands on the 19 January and it is likely that your letter and sample did not arrive early enough for him to start trials. However, I am copying this letter to the Colonial Secretary there so that he will be advised by it to take charge of the sample and arrange its use in accordance with any instructions Mr. Casserly may have left or will be sending on his return to the United Kingdom.

3 He was informed by telegram earlier of the results being obtained from coagulation tests being carried out by Messrs. Paterson Candy International.

4 We are most grateful to you for your prompt action in despatching the sample by air and we shall write to you further immediately Mr. Casserly returns to this office.

Yours faithfully

(Sgd.) E. D. Lawrence

E.D. LAWRENCE  
for Chief Engineer (Civil)  
Engineering Advisory Services

BDL/SU/BG

TKH/MW

J.P. Caserley, Esq.,  
c/o Colonial Secretaries Office,  
Stanley,  
Falkland Islands.

13th January, 1972.

Dear Sir,

Following recommendations made by Messrs. Paterson Candy International for the treatment of a 6000 g.p.h. potable water supply in the Falkland Islands using alum and our MAGNAFLOC LT24 polyelectrolyte we write to inform you that we have despatched a 2 Kg. sample of MAGNAFLOC LT24 to you by air freight free of charge. We estimate that this sample should be sufficient for a fourteen day plant trial.

Booklets describing applications of our standard range of MAGNAFLOC synthetic flocculants and the MAGNAFLOC LT grades for potable water treatment are enclosed.

From the results of the laboratory tests carried out by Messrs. Paterson Candy International we understand that treatment of the soft raw water with 40 p.p.m. alum and 25 p.p.m. lime to give a pH of 6.1, followed by the addition of 0.2 p.p.m. MAGNAFLOC LT24 gave a settling rate of about 6.5 feet/hr.

To achieve this dose rate of MAGNAFLOC LT 24, for trial purposes, we suggest that a 0.1% solution of LT 24 is prepared by sprinkling 0.3 lb. of powder (ca. 5 oz. or 130 grams) into 30 gallons of water in a 44 gallon drum. The water should be stirred vigorously, either mechanically or by air agitation or by hand, while the powder is being added to prevent agglomeration of the powder. Stirring should be continued less vigorously for about one hour until the powder has dissolved completely. If mechanical stirring is not available vigorous intermittent stirring by hand should suffice.

For a raw water flow of 6000 g.p.h. and a MAGNAFLOC LT 24 dose rate of 0.2 p.p.m., 30 gallons of 0.1% solution should be added to the water over

.../...

a period of 24 hours. Although a metering pump would provide the ideal system, a gravity drip feed of the flocculant solution should be effective.

The MAGNAFLOC solution should be added to the water at a point of high local turbulence after the water has been treated with lime and alum and immediately prior to the settling tanks. The maximum delay time should be incorporated between addition of the alum and MAGNAFLOC LT24.

If improved settling rates have not been obtained after treatment has been continuous for a period of twenty-four hours, the dose rate of MAGNAFLOC LT 24 should be varied both up and down from the value of 0.2 p.p.m. over the range 0.02 to 0.30 p.p.m.

We look forward to learning the results of your plant trial and will be pleased to send further trial quantities of MAGNAFLOC LT 24 as required.

Yours faithfully,  
ALLIED COLLOIDS MFG. CO. LTD.

T.K. Hunter  
Special Products Division

Encl.

559

S.P.W.

From p. 586. In inf. pl.

§

P.C.S.

17.3.72.

P.S.

Have noted. Thank you. Mr Casserly  
has acted on this according to his March correspondence.

18.3.72

L.A.H.

by S. H. 72

(KIV)

COLONIAL SECRETARY

STANLEY WATER SUPPLY AND SHIPPING

I am receiving more and more complaints from Masters of ships about the inadequacies of our system for supplying water to ships. Also I am certain that our present charges for water supplied to ships are far too low.

2. I would be grateful for the S.P.W.'s observations.

*E.G.L.*  
E.G.L.  
18.3.1972

S.P.W.

Accordingly. *J. 20/3*

C.S.  
Observations attached.  
*Feb 23.3.*

It is requested that any reference to this memorandum the above number and date should be quoted.

March 23rd, 1972.

TO: The Colonial Secretary,

Stanley.

FROM: Superintendent of Works.

Stanley, Falkland Islands.

SUBJECT :-

STANLEY WATER SUPPLY AND SHIPPING:

I refer to H.E.s the Governor's minute of the 20-3-72.

2. Complaints from masters of ships are inevitable on the present system, I am continuously being bombarded with complaints from numerous residents everytime we water a ship between 6 am and 10pm. Many residents are anti-water rates each time we supply ships with water, because, the water pressure falls throughout half of the town as soon as the valve is opened to ships. It is common practice when watering ships to close down for twenty ~~min~~ minutes or so every three hours to enable the householders to build up their water supply. We prefer to water ships at night when the demand is at its lowest but there are occasions quite often whereby there are more than one ship requiring water at the same time. In this case supply to ships is continued day and night.

3. The truth of the matter is the system of water supply is totally inadequate for the present day requirements. It will be noticed that in 72/73 estimates I am making a provisional financial request to continue the mains supply from Fitzroy Road to the lower part of Philomel Street, bypassing the mains having the lower pressure, thus relieving the lower half of the Town always affected by watering ships, by correctly placing two valves. We would have alternative supplies from reservoir and high level tank. I discussed the problem of supply and demand with Mr. Casserly, and I have no idea as to what his recommendations may be. Meantime there is little lost in my proposal and as it is only an alternative and not an alteration it will always remain useful.

4.a) The question of water charges, 'under Town Council Control'. Expenditure and demand has had a steady increase annually since the inauguration of the Filtration Plant exactly fourteen years ago. Water Charges are cheaper now, than they were then, it appears a reduction from 15p to 12½p was made on the 4.10.67. We are pumping nearer twenty hours a day now in comparison to eight then.

Expenditure 1965/66 on water supply £4,507. 1972/73 £7,500. for calculation purposes we can assume £8,000. There are other items of water supply under special expenditure.

b.) Watering Ships only.

1958/59	1169 tons @ 15p =	£175.35.	Pumping time 43 hours.
1961/62	1786 tons @ 15p =	£267.90.	Pumping time 67 hours.
1971/8th March-72	3003 tons @ 12½p	£375.37½.	Pumping time 112 hours.

Expenditure at £8,000 producing 139,285 tons p.a. for all needs. There is no separate provision for watering ships. It has been easy enough to scrape by in the past when the demand from ships was nominal, as we can see the demand has doubled in ten years, the present mains system does not cope with both Town and Ships supply at the same time. But as I suggest in para.3 we can try that alternative.

*St. Rogers*

Superintendent of Works.

Y.E.

S.P.O.s observations as requested by you p. 590.  
 C.T. could let you have information about water rating. J 2/13

Colonial Secretary

*2/27/3*

- 1. This is a most useful memorandum by Mr Royans and I would like to see these papers again as soon as Mr Casserly has submitted his report. Mr Casserly's main task, I thought, was to report on the purification system but no doubt he will comment on the adequacy of the supply and the problems of maintaining pressure in the town.
- 2. The point I was making about the rates charged for water supplied to the ships is that by the standards of other ports our charges are too low and perhaps the Colonial Treasurer may like to look into this.

*EGL*  
 EGL

24 March 1972

*C.T. As at para. 2 above ; + to ensure submission to H.E. when Casserly's report is received.*

*2/27/3*



Q Dept.

Q 367/39

7 March 1972

His Excellency  
The Governor  
Stanley  
Falkland Islands

CONFIDENTIAL

Dear Sir

*XX*

I refer to para 8.4 of my Report concerning the appointment of an Inspector of Waterworks in Stanley.

2 As I stated in my Report there should be one person on the waterworks staff responsible for all aspects of this utility. This is general practice elsewhere and has proved to be the most successful. When the Stanley supply has been put in order and rehabilitated, there will not, however, be sufficient work to warrant the appointment of an additional staff member of this grade and I recommend that the duties of Inspector of Waterworks be combined with that of Senior Filter Plant Operator.

3 The present holder of the post of S.F.P.O. is Robert Stewart and he has held the position for about six months. I have observed him carefully during my visit to Stanley and was in daily contact with him during that period. He is very conscientious about his work, very interested in the subject, hard working and honest. His limitations lie in the fact that, due to lack of practice and guidance in the past, he is finding difficulty in the computations required in the laboratory and in the daily routine. These are not very difficult and I know he will be able to deal with them within a short time.

4 I suggest, therefore, that Stewart continue as Senior Filter Plant Operator for the time being; that he be sent to the U.K. for further training as recommended in the Report and that when next a visit to Stanley is made by a Water Engineer from this office, the matter be again considered, particularly in the light of improvements in the general operation of the supply. If these are favourable, then it could be recommended that he be appointed Inspector of Water Works.

Yours faithfully

M.J.P. Casserly  
for Chief Engineer (Civil)

*6.04/1500*  
*Has the Report arrived?*

*ACS*

*/YK*

*29/3*  
*29/3*  
*30.3.72*

*B/M Kinne with a copy of the Report*



**Foreign and Commonwealth Office**  
London SW1

*G.F. Kinne 14/4*

Telephone 01-

J A Jones Esq OBE  
Colonial Secretary  
Stanley  
FALKLAND ISLANDS

Your reference

Our reference

HGF 7/7

Date

17 March 1972

*Dear John,*

STANLEY WATER SUPPLY

We have now received the Report on the water supply system in Stanley from Mr Casserly of the Crown Agents and 20 copies are being sent to you under separate cover. With this letter I enclose formal letter dated 9 March from the Crown Agents, addressed to the Governor, forwarding the Report.

2 The Reports seems a straightforward one and shows that Mr Casserly has taken considerable trouble to check and review the complete system. Most of the recommendations that he makes are minor ones dealing with the correct operation of the system and will doubtless be acceptable to you. The only recommendation which we feel may require some consideration is that in Section 13 in which Mr Casserly recommends an annual visit of a Water Engineer. While an occasional visit of a Water Engineer from the Crown Agents would be of value it would seem an unnecessary expense to have such a visit annually.

3 In Section 8.5 of the Report a recommendation that a Senior Plant Operator should be sent to the UK for training is made and I hope you will be able to arrange for this to be implemented.

*Yours ever*

*George.*

(G F Kinne)  
Atlantic and Indian  
Ocean Department

*File submitted pl. together with a copy of the Report as requested.*

*17.4.72.*

*Let's see / I have read the Report and I would like to have the main of the A.P.W. m.s. G.F. 19/4*

595

Telegrams Crown London SW1  
Telephone 01-222 7730  
Telex 916205

CROWN AGENTS  
FOR OVERSEA GOVERNMENTS AND ADMINISTRATIONS  
Q Department  
4 MILLBANK  
LONDON SW1P 3JD

Our ref Q367/39

Your ref

Date 9 March 1972

His Excellency  
The Governor  
Stanley  
FALKLAND ISLANDS

Dear Sir

PORT STANLEY WATER SUPPLY

In accordance with the instructions of the Foreign and Commonwealth Office, Mr M J P Casserly visited Stanley from 8 January 1972 to 19 January 1972 to carry out an examination of the Water Supply at Stanley and to recommend measures for its improvement, if necessary. We now have pleasure in enclosing twenty copies of our Report, which was prepared in accordance with the terms of reference quoted therein.

2 Our detailed recommendations are summarised at the end of the Report, and in general, with adequate maintenance, we consider the filter plant to have a further useful life of about fifteen years. We also consider that the measures recommended for augmenting the flow in the Moody Brook according to the Pape Report are essential for maintaining the Stanley supply and should be executed.

1 We shall be very pleased to give any further information you may require on the matters mentioned in the Report and, later to assist in the implementation of the recommendations, should these prove acceptable to you.

4 We greatly appreciate the courtesy and assistance given to our representative and endorse here the thanks expressed in the Report.

Yours faithfully

*L. Jackson*  
PP. 120

L JACKSON  
Director of Advisory Services

*S.P.W.*  
*The Report is attached.*  
*Re. see H.G.'s note at foot of p. 594*  
*24.4.72*  
*20.4.72*

577

five pc.

DECODE.

TELEGRAM.

From..... CROWN LONDON.....

To..... SECRETARY STANLEY.....

Despatched : 21st April 19 72 Time : 1440

Received : 21st April 19 72 Time :

For Royans Q367/39 Test results received suggest put into practice dosages used for test sixteen if confirmed by second laboratory test but add sodium aluminate through floating bowl at valve chamber near intake not repeat not at pump well letter en route

CROWN

PL: HT

Copy to SPW

By 11.5.72

(KIV - 576)

UNCLASSIFIED

10 May 1972

G F Kinneear Esq  
Atlantic & Indian Ocean Department  
FCO  
London SW1

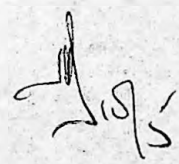
STANLEY WATER SUPPLY

1. I am writing to acknowledge your letter MGF 7/7 of 17 March addressed to John Jones about the Stanley Water Supply, with which you enclosed a copy of the report on the water supply system in Stanley.
2. The report is a very thorough one and I consider that Mr Casserly has taken great trouble to advise us on the complete working of the system, and I would be grateful if you would convey to him the thanks of this Government.
3. I do not consider that it is necessary to have an annual visit of a Water Engineer but maybe a visit once every 3 years would be useful. I will certainly do my best to ensure that the senior plant operator is sent to the United Kingdom for further training.

ACG

E G LEWIS

*Pl. have these file together with report  
handy at next weeks Exco*



DECODE.

TELEGRAM.

From..... CASSERLY CROWN.....

To..... SECRETARY STANLEY.....

Despatched : 27th June 19 72 Time : 1706

Received : 27th June 19 72 Time :

For Royans:-

1. Has revised dosage sodium aluminate suggested mytel 21 April been implemented.
2. As sodium aluminate added near intake three arc magnafloc tests completed your request copy filter house log monthly five reference dissolving sodium mulummate dissolve at rate two point five pounds chemical in one gallon water then dilute in solution tank to five percent solution request cable reply covering above points

CASSERLY CROWN

S.P.W.,

To see & advise pl.

Reply - 602

J.C.S.

602

GOVERNMENT TELEGRAPH SERVICE

FALKLAND ISLANDS

SENT

WAP 15142-821 584578/790938 500 pds 12/68 Grp.782

Number	Office of Origin	Words	Handed in at	Date
	PSY			28.7.72
To	LTF CROWN LONDON SW1			HO A/c

N o. 136

601

FOLLOWING FROM ROYANS FOR CASSERLY BEGINS YOURTEL 27TH JUNE STOP  
 CONFIRMED REVISED DOSAGE IMPLEMENTED STOP PARA 2 STAFFING PROBLEMS  
 HAVE NOT PERMITTED THE COMPLETION OF THESE STOP YOUR REPORT 4. 1.  
 STAFF (B) NOT YET YET IMPLEMENTED ENDS

SECRETARY

Time

HRT