

2307

Declassified E.O. 12356 Section 3.3/NND No.

785017

ACC

10000/109/999

2308

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10000/109/999

WATER SUPPLIES
FEB. 1945 - OCT. 1946

2309

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52

Italian Govt in brief immediately by de ten on #47.
by Ind & Util also #4749 notified. SPC#-
16/3/46

4874

2310

785017

22-11

TO: Office of the Executive Commissioner

1. The Engineering report called for in your 5409/11/EC of 14 March (Fo. 57) is forwarded for noting and return (Fo. 57).
2. In considering any extensive engineering works the present critical supply of materials should be considered.
3. It would appear that an extension of the present temporary measures i.e., provision of tanks, is the only solution at the moment.
4. Your instructions are awaited.

Robert E. Doe
Major, A.G.D.

for: A/Vice Pres., Econ Sec.

Economic Section
16 April 45
Tel: 558

34.

C.S.O. Please see Folios 29-33.
Immediate action is being taken on Folio 32

See drafts but pl. follow up urgently.
5/1/46
19/1/46

W.A. 112

C.S.O. Reference Folios 35-45.

Folios 44-45 are C.S. reply to AFHQ's letter of 5/32.
There has been considerable trouble in obtaining acknowledgment of responsibility from the Ministry of Industry. Commenced on matters of this type.

Ref P.S. 544. It apparently is AFHQ's job to provide us with their vouchers so that proper debiting can be made, that prior to 30/10/45.

W.A. 713

C.S.O. Please see 547 for info.

The same action will be taken in this case as was taken in the case of the Ministry of Public Works will take all

provision of tanks, is the only solution at the moment.

4. Your instructions are awaited.

Robert E. Doe
Major, A.G.D.
for: A/Vice Pres., Econ Sec.

Economic Section
16 April 45
Tel: 558

34.

C.S.O. Please see folios 29-33.
Immediate action is being taken on folio 32

Seen Dravals but pl. follows up urgently.
SPH 19/1/46

F.H.D.
2/1/46

M. 212

46

C.S.O. Reference folios 35-45.

Folios 44-45 are C.S. reply to AFHQ's letter of 32.
There has been considerable trouble in obtaining acknowledgment
of responsibility from the Ministry of Industry concerned on matters
of this type.

Ref P.S. 544. It apparently is AFHQ's job to provide us with these
vouchers so that proper debiting can be made, that is prior to 30/1/46.
SPH 2/1/46

M. 713

48

C.S.O. Please see 547 for info.

The same action will be taken in this case as was taken
in Florence, that is the Ministry of Public Works will take all
action and notify us of action taken.
SPH 7/3/46

CSO: Rome Water Supply: Need for salt supplies for chlorination.

Action requested through Lazio-Umbria (see folios 1 and 2) has been effected by Trans. S/C and ARHQ (see para 4 of folio 3).

3 March 45.

JCH
Major

28 4/3

A/V.P. Econ. Sec.

For report (to me) by 12/3 please

12/10/73

8
Office of Executive Commissioner.

Ref folio 5, please see attached report from Public Works & Utilities Sub-Commission. In view of their remarks, it is suggested that Toscana Region be asked for their recommendation.

J. Bunc Chapman d. 10/11/44
for A/V.P. Econ Sec - A.O.D.

9.
CSO: See folio 7 for report on Water problem of San. G. Valeriano as requested in minute 6, reference folio 5. JCHB, 12/3

10.
File: PWU 5/c will obtain an engr. report on this from Toscana Region as per phone conversation with Capt. Shepherd. JCHB, 13/3
see confirmation requested by Econ. Sec. folio 11 4873

12

M. Wyndham

M. Sec 5.7 & 11

Excl

A/V.P Econ. Sec.

For report (to me) by 12/3 please

12/10/73

8

Office of Executive Commissioner

Re: folio 5. please see attached report from Public Works & Utilities Sub Commission. In view of their remarks, it is suggested that Toscana Region be asked for their recommendations.

J. Bruno Chapman et al. et al.
for A/V.P Econ Sec - A.O.D.

9.
OSO: See folio 7 for report on Water problem of San. G. Vallejos as requested in minute 6, reference folio 5. JCB 12/3

10.
File: PWU 5/c will obtain an eng'r. report on this from Toscana Region as per phone conversation with Capt. Shepherd. JCB 13/3 10/73
see confirmation requested by Econ. Sec. folio 11

12

Mr. Weyandham.

Pl. See 5. 7 & 11

E. J. G. L.

14/3.

Seen, thank you.

J. E. R. W.

15.3.

13.

Econ. Sec.: - Please submit Engineering Report on folio 7 soon as possible. JCB 30/3

2314

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5409

File 62
+ P.A.HEADQUARTERS ALLIED COMMISSION
APO 794
Economic Section

HSA/mgl

OCT - 8 1946

4 October 1946

Ref:

MEMORANDUM

SUBJECT: Water Supply for Rome.

TO : Chief Commissioner.

1. The water supply situation for Rome according to Doctor Frezini of the Water Supply Department, Ministry of Public Works, is as follows:

a. The present shortage is entirely due to the persisting drought.

b. The present population of Rome is about $\frac{1}{2}$ million more than it was pre-war. New sources of supply have been connected to the system which would take care to the added load if the present drought did not exist.

c. All known war damages to the system have been repaired.

d. The normal water flow should be about 5600 litres per second; due to the drought this has been decreased by 1500 litres per second to about 4100 litres per second. Several new sources are under process being connected to the system, the more important of which are one at Acquoria (near Tivoli) which will permit an increase of 700 litres per second. This will be completed in 4 months. Another is the Pescara project (beyond Rieti) which will produce an increase of about 1000 litres per second. The normal rain will better the situation considerably although they will show no immediately effects.

e. It is not anticipated that any further ration of water will be necessary. The present rationing scheme consist in interrupting the supply thus making less water available for use. This is attempted on an equitable basis for the entire city, but due to the old and complicated system is bound to deprive some parts of water while other parts go practically uninterrupted.



(CAPT K)


 PA 8/10/46
R.P.

2315

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-2-

61

2. Doctor Frozini further stated that no serious complaints have been received from hospitals or institutes and the Italian Government is of the opinion that no health menace is created because of the present water supply situation.

H.M. Walker

H.M. WALKER
Colonel CE

4870

2316

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785017

Tel: 489081
Ext: 317

540

LWL/cc

HEADQUARTERS ALLIED COMMISSION
APO 394
Industry and Utilities Branch

PWU/062

1 May 1946

SUBJECT: Water Supply - Florence

MAY 3, 1946

TO : Allied Force Headquarters
G-5 Section, APO 512
(Attn: Major Jeffries)

1. Reference is made to your file M.3 on the above subject and our letter dated 2 April 1946, file reference 062/PWU.

2. Enclosed for your information are letters dated 10 April from the Commune of Florence to the Genio Civile office of Florence; a letter dated 18 April from the Genio Civile, Florence, to the Ispettorato for Electricity, Water and Gas of the Ministry of Public Works, and letter dated 18 April from the Ministry of Public Works to Allied Commission.

3. Briefly, the Communal authorities of Florence take the position that the amount of water treatment required by the military is in excess of that which is actually needed. Further, that it would cost the Commune the sum of 300,000 lire per month which cannot be carried by the Communal administration in its present financial condition.

4. This Headquarters is not in a position to determine whether the Commune is correct with respect to the amount of treatment required and the matter is therefore referred to your Headquarters for decision.

5. In the event a decision is reached by your Headquarters directing that the military specifications for water treatment be continued, 2 courses are open for the Commune to recover the cost of water treatment:

- a. Arrangements be made with the Italian Government to subsidize the cost of chemicals required in excess of the amount normally used by the Commune of Florence.
- b. That the Commune of Florence be directed to make application to the Interministerial Price Committee of the Italian Government for permission to apply a surcharge on all service statements to its customers, thereby increasing its income by a sufficient amount to absorb the added cost of chemicals.

(CAPT DEY)

Pa 4/3
G. H.

2317

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6. Instructions are requested with respect to paragraphs 4 and 5 above.

GEORGE F. PARKER
Colonel, Infantry
Deputy Director

3 Enclosures--Letter dated 10 April from Comune of Florence to
Genio Civile Office, Florence, file no. 19035

Letter dated 18 April from Genio Civile, Florence, to
Ispettorato for Electricity, Water and Gas, Ministry of
Public Works, file no. 6204.

Letter dated 18 April from Ministry of Public Works to
ALCOM, file no. 1709

cc: Executive Commissioner ✓

Acting Vice-President
Economic Section

4868

TRANSLATION

Commune of Florence

April 10, 1946

File 19035

SUBJECT: Purification of water in Florence

TO : Genio Civile Office - Florence

With reference to your letter no. 725/591, dated April 11, we are sending the following information concerning the letter sent by the Ispettorato on 1 February on the handing over to the Italian Government of the matter of purifying Florence water.

1. The plant supplying water to Florence utilize an underground source that, due to the special constitution of the filtering layers, protected by some watertight ground are highly dependable as to hygienic properties. The plant has been operating for a great many years and frequent chemical analysis has shown a perfect purity.
2. At present, after the end of the war, all the factors that could have provided some infection of the water do not exist any more, due to some reconstruction work.
3. It is now believed by the Technical and Medical Direction of this Administration that the "coloring" of the water, as in pre-war time, be sufficient for the water coming from Gercina-Gerzone and Monteroggi springs being conveyed into the city aqueduct.
4. The purification with calcium chloride, as requested by A.C. would provide a monthly expenditure of about 300,000 lire which should be paid by this Administration and cannot be afforded in the present financial condition.
5. It is then believed not financially convenient and hygienically useless to keep on purifying water by means of chlore.
6. In case the water purification, following request by A.C., should be made with the chloride process the necessary expense would have to be charged to the Government.

Will you please report on this to the Ministry and take measures as required either to discontinue the chloration of water or, if not possible, to provide from the Government the required amount of money, reimbursing at the same time this Commune of the expenses since 28 March.

I also inform you that the Prefect of Florence Province was reported on that through an official letter.

The Sindaco

2319

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TRANSLATION

18 April 1946

Ministry of Public Works

File 1703

SUBJECT: Drinking water in Florence

TO : AC, RA - Industry and Utilities Branch

We enclose herewith copy of letter from Genio Civile of Florence and letter from Florence Comune.

This Ministry agrees with what stated by the Sindaco of Florence.

As a matter of fact, all causes that had been abnormally affecting the city underground have disappeared and the present situation, following accurate medical analysis of water, is not troubling.

We are waiting for your reply.

Vicentini

4866

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TRANSLATION

18 April 1946

Genio Civile - Florence

File 6204

SUBJECT: Drinking water in Florence

TO : Ispettorato for Electricity, Water and Gas.

With reference to your letter 1316--26 March, we forward copy of letter dated April 10, no. 13035 from Florence Comune containing information on the purification of water distributed in Florence.

Scalesse - Chief Engineer

4885

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Declassified E.O. 12356 Section 3.3/NND No.

785017

Tel: 489081
Ext: 317

HEADQUARTERS ALLIED COMMISSION
APO 394
Industry and Utilities Branch

APR 5 1946

2 April 1946

062/PSU

SUBJECT: Water Supply - Florence

TO : Allied Force Headquarters, G-5 Section
A.P.O. 512
(Attn: Major Jeffries)

1. Reference is made to our letter 5 March 1946, our file 062/PSU, your file M.3; also telephone conversation between you and Capt. T. D. Morgan, ALCOM, on 23 March 1946.

2. Enclosed for your information is copy of a letter from this Branch directed to the Ministry of Public Works dated 23 March 1946 and copy of letter from the Ministry of Public Works directed to the Genio Civile Office at Florence, dated 26 March.

3. As soon as the information is received, you will be informed.

GEORGE F. PARKER
Colonel, Infantry
Deputy Director

Copies to: Executive Commissioner

Acting Vice-President
Economic Section

Chief, Industry and Utilities S/O

2 Enclosures - Letter from Allied Commission to Ministry of Public Works, dated 23 March.

Letter from Ministry of Public Works to Genio Civile Office, Florence, dated 26 March 1946

(MASH)
SRH
5/4/46

4864
PA 5/4
R. X

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Declassified E.O. 12356 Section 3.3/NND No.

785017

Tel: 489081
Ext: 317

C O P Y

APR 5 1946

LWL/cc

54

HEADQUARTERS ALLIED COMMISSION
AFO 394
Industry and Utilities Branch

23 March 1946

062/PWU

SUBJECT: Treatment of Florence Water Supply

TO : Ministry of Public Works
(Attn: Prof. A. Asta)

1. Reference is made to letter of March 11 from the Chief Engineer of the Comune to the Chief Engineer of the Genio Civile in Florence and letter of March 13 from Genio Civile to Ministry of Public Works.

2. In order to establish a basis for discussion, would you please inquire of the Chief Engineer of the Florence Comune on the amount of treatment which they think is necessary.

3. We desire to present the matter to the Military Authorities and for that reason it is recommended that the report from the Communal Authorities be in such detail that it can be easily understood.

GEORGE F. PARKER
Colonel, Infantry
Deputy Director

See 7-53

4863

2 3 2 3

Declassified E.O. 12356 Section 3.3/NND No. 785017

APR 5 1946

TRANSLATION

26 March 1946

Ministry of Public Works - Rome

SUBJECT: Water supply at Florence

TO : Genio Civile Office - Florence

Copy to: A.C.H. Industry and Utilities Branch

The Allied Commission, with reference to letter of 11 Mar no. 6806 from the Comune of Florence, would like to have more detailed informations, from the same Comune, on the difficulties, both technical and financial, concerning the purification of water in the town of Florence. A.C. will then get in touch with the Military Authorities.

Will you please let me have those informations as soon as possible.

M. Visentini
President

See 7-5-48

4862

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Declassified E.O. 12356 Section 3.3/NND No. 785017Tel: 400001
Ext: 317

101/50

HEADQUARTERS ALLIANCE FOR THE
AFD 204
Industry and Pollution Sub-Commission

002/700

5 March 1946

SUBJECT: Water Supply - Florence

MAR 8 1946

TO: Chief, TPCB Headquarters, 1st Section
A.P. 812
(Attn: Assistant Chief of Staff)

1. Reference is made to our letter to you of 31 January 1946, File 002/700, para 4, sub-para 3, and our letter of 28 January 1946, File 002/700, directed to the Ministry of Public Works, a copy of which was forwarded to you.

2. The Inspector General for electricity, water and gas has now furnished copies of letters and cables which indicate that the provision of chemicals and the treatment of the water supply at Florence are now being followed by the Genio Civile office in that area.

3. This Headquarters, therefore, considers that all necessary steps have been taken to insure that the proper government agencies have taken jurisdiction and have assumed responsibility.

FOR THE CHIEF OF COMMISSIONER:

(Signed)

CHARLES W. WALTON

CHARLES W. WALTON

Colonel, AG

Acting Vice President

Enclosures: Copy of letter 473, 1 Feb. 1946, from Min. Public Works to Genio Civile, Florence.

Copy of telegram 23 Feb. 1946 from Min. of Public Works to Chief Engineer, Genio Civile, Florence

Copy of letter 3461, 3 March 1946, from Chief Engineer, Genio Civile to Min. Public Works.

cc: Executive Commissioner

Acting Vice President
Executive Section

4861

(MAD 11)

4/3/46

4861
C. W. Walton
C. W. Walton

2325

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Ministry of Public Works

Rome, February 1, 1946

No. 473

To: Genio Civile Office
Florence

Subject: Purification of water - Florence Comune

We are notified from A.C. that the matter of purifying water in the Comune of Florence has been handed over to the Italian Government as of January 1, 1946.

The Ministry of Industry and Commerce will make available the required chemicals.

A.C. notified the Ministry of Industry and Commerce with letter 5568-26-January 1946, that S.A.L.P.A. and SOLVAY Companies were in a position to supply that stuff.

This Ispettorato is in contact with the Ministry of Industry and Commerce to see that the supply be made with the utmost urgency and also requests that Genio Civile office to get in touch with the Company operating the Florence Aqueduct in order to control the regular supply of those chemicals also reporting on the matter to this Ispettorato.

ENG. M. VISENTINI
Inspector General

4830

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CABLE

Rome, February 23, 1946

TO: Chief Engineer Genio Civile, Florence

We are urging reply to our letter no. 473 of February 1
on the purification of water in the Commune of Florence.

VISSENTINI

President General

See 51

4839

2327

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TRANSLATION

48

Ministry of Public Works
Genio Civile Office
Florence

No. 3461

SUBJECT: Purification of water in the Commune of Florence

TO : Ministry of Public Works - Ispettorato Generale Elettrocita,
Acque e Gas, Rome

With reference to your letter no. 475 of February 1, 1946 and your cable, same number, of 1 March 1946 I wish to inform you that the Office for Aqueducts, Florence Commune, today reported on what follows:

That office is in contact with Montecatini Co., Florence Branch, for the supply of Aluminum Sulphate to be used as purifier of the water from Arno river; S.A.L.P.A. Co. only produces potass. aluminum which cannot be employed.

An amount of 100 quintals (10 tons) of Aluminum Sulphate is at present being supplied by Montecatini Co.

The supply of Calcium Chlorate is being discussed with Allied H.Q. in Florence in order to fix the necessary amount for ordinary requirement.

Societa Chimica Aniene (Rosignano Solvay Factory) notified that they are able to supply that chemical, and this offer will be considered in connection with the actual purchase. The Aqueduct Office of the Commune also stated that they now have chemicals for the purification of water up to March 20.

I will be glad to report to that Ispettorato Generale on any further progress concerning this matter.

Chief Engineer
F. SCALESSO

See 51

4858

2328

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785017

C 28103
MAR. 051924AH/208 47
MAR. 060850

ROUTINE

AFHQ FORM G-5

ALCOM ROME INFO: THREE DISTRICT

MAR 6 1946

UNCLASSIFIED.

Water sterilisation, Ancona.

1. Request strong representation be made immediately to Italian Government concerning non-availability of water purification chemicals for the water supply of Ancona AMG Area.
2. Must stress that this service is an entirely civil responsibility not a military one.
3. Ministry concerned should be reminded of similar situation recently obtaining in Florence and should be requested to take immediate steps to prevent its recurrence at Ancona
4. Request Alcom submit report on outcome of action indicated above as early as possible.

AC DIST

ACTION	INDY & UTIL 2
INFO	CHIEF COMMISSIONER
	EX COM
	ECON 2
	FILE 2
	FLOAT

4857

MKS

PA 1/2
JSC

(MKS-H)

MKS
6/3/46

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Declassified E.O. 12356 Section 3.3/NND No.

Tel: 489081
Ext: 317

LNL/oc

HEADQUARTERS ALLIED COMMISSION
APO 304
ECONOMIC SECTION

Exec Commr

(Your 5409/53/EC)

31 January 1946

FEB 1 1946

062/PWU

SUBJECT: Water Supply, Florence

TO : Allied Force Headquarters
G-5 Section, APO 512
(Att: Assistant Chief of Staff)

1. Reference your M.3 dated 17 November 1945
our 038/IAU dated 30 November 1945
your M.3 dated 4 December 1945
your M.3 dated 16 January 1946
our cable 430 dated 21 January 1946
your cable C-15909 dated 22 January 1946

2. Reference para 1 and 2 your M.3 dated 17 November 1945 and para 1 your M.3 dated 4 December 1945. Enclosed is copy of letter AC/5756/IND - 1 June 45 wherein instructions were given to S.A.L.P.A. to supply chemicals to the "Genio Civile" Florence for use in purifying the Florence water supply. Also enclosed copy of letter AC/5568/IND - 1 June to G-5 AFHQ notifying that Alum and Lime for Florence had been arranged for. A search of AC files does not disclose what steps were taken thereafter (The personnel which handled the matter are no longer with AC), however, it now seems evident that the military have continued supplying these chemicals up to present time.

3. Para 2 your M.3 dated 17 November 1945. Upon receipt of this letter the matter was taken up personally with Dr. Lubrans, Chief of the Chemical Division, at the Ministry of Industry and Commerce. At the same time this official was given the names and addresses of the manufacturers in the Florence area who were in a position to furnish the required chemicals. This was covered by our letter 038/IAU - 30 November 1945 to Economics and Supply Division G-5 AFHQ.

4. Reference para 2 your M.3 dated 4 December 1945. Numerous verbal requests were made of the Minister of Industry and Commerce to furnish written acknowledgement of acceptance of responsibility for the supplying of chemicals. Finally AC wrote the Ministry of Industry and Commerce on 21 January 1946, copy enclosed, reference AC/5568/IND.

An acknowledgement to this letter has been made by the Direttore Generale of the Division of Industry and Mining of the Ministry of Industry and Commerce per letter 26 January 1946, Reference G30-653, copy enclosed.

1/4/46
(MAJH)

See 51

See M.46

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4/2
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In addition A.C. has contacted the Ministry of Public Works notifying them of their responsibility in the matter as per letter of 26 January 1946, Reference 002/PWU copy attached. The date of 1 January 1946 was stated as the time when supplying these chemicals from military stocks would cease in order to speed up government action in this matter. As soon as an acknowledgement is received from them, a copy will be forwarded to you.

In view of past difficulties and of possible further delay on the part of the Italian Government, in getting under way on the supplying of these chemicals, this Headquarters is in accord with your arrangements to continue supplying chemicals until 1 February 1946, which was the subject of your cable C-15908 dated 22 January 1946 to ALCOM.

As an additional presentation this Headquarters is in accord with your recommendation that the water used by Allied personnel be treated before consumption until it is definitely established that the city of Florence is adequately treating its water supply.

5. Reference para 4 (2) your M.3 dated 17 November 1945, and para 3 your M.3 dated 4 December 1945. The Chief Accountant of Allied Supply Accounting Agency has been consulted in this matter. He states that as soon as price issue vouchers, duly acknowledged by the receiving authorities, are received by this Headquarters, they should be handed to him for debiting to the Italian Government in sterling. This, however, he can only do if:-

- (a) the issues were made prior 30 November 1945
- and (b) the chemicals in question are of imported origin

If the issues were made after 30 November 1945 ASAA advises that the accounting cannot be done on behalf of Allied Commission, but will have to be handled by AFHQ. If the chemicals concerned are of Italian origin they do not constitute a proper sterling charge to the Italian Government.

For the Chief Commissioner

Harlan Cleveland
HARLAN CLEVELAND
Acting Vice President

4855

c.c.to: Executive Commissioner
Chemical Section Industry & Util. S/C. 43
Economic Section
Elec. Sec. Industry & Util. S/C.

6 enclosures: copy letter AC/5730/Ind - 1 June 45 to S.A.L.P.A. 42
" " AC/5568/Ind - 1 June 45 to G-5 41
" " AC/5568/Ind - 21 Jan. 46 to Min. Ind. & Comm. 40
" " 630653 - 26 Jan. 46 from Min. Ind. & Mining (in Italian)
" " 630653 - 26 Jan. 46 from Min. Ind. & Mining (translation)
" " 062/PWU- 26 Jan. 46 to Min. Public Works 39

38

2331

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5409

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43

COPY

HEADQUARTERS ALLIED COMMISSION
APO 394
INDUSTRY SUB-COMMISSION

HSO/um

Tel. 478000

1 June, 1946

Ref. AC/5730/ID.

SUBJECT : Supply of Alum

TO : Societa' S.A.I.P.A.
c/o Studio Tecnico Prof. Renai
Via Pinciana 21
Roma.

1. Please supply to "Genio Civile", Florence 100 (one hundred) quintals of alum ex stocks held at your factory at Castellina in Chianti (prov. Siena) for purification of water for the city of Florence.
2. Arrangements regarding transportation and payment for the above quantity of alum will be made by "Genio Civile", Florence, directly with you.

W. J. MCKENNY
Lt. Colonel,
Acting Director,
Industry Sub-Commission.

Copy to:
H.Q. AEG Florence
(Attn. Capt. Perkins)

4854

2 3 3 2

Declassified E.O. 12356 Section 3.3/NND No.

785017

COPY

HEADQUARTERS ALLIED COMMISSION

AFG 304

INDUSTRY SUB-COMMISSION

RSO/um

42

Tel. 478020

1 June, 1945

Ref. AC/5568/IND

SUBJECT: Purification of Florence city
Water Supply

TO : Allied Force Headquarters, G-5 Section

1. Reference is made to your letter #3, dated 26 May 1945.
2. Following a request of HQ AMG Florence, this Sub-Commission arranged that 10 tons of alum and 7 tons of chloride of lime be supplied to "Genio Civile, Florence" for purification of water.

For the Chief Commissioner:

W. J. WASKREY
Lt. Colonel,
Acting Director
Industry Sub-Commission.

4853

Declassified E.O. 12356 Section 3.3/NND No. 785017

COPY

HEADQUARTERS ALLIED COMMISSION
APO 394
INDUSTRY DEPARTMENT

VD/mia

Tel. 489081 - Ext. 543

21 January 1946

Ref. AC/5568/IND

SUBJECT : Water Supply Florence.

TO : Ministry of Industry and Commerce
(Attn: Dr. E. Lubrano)

1. This letter will confirm the information given you verbally, in December, by Eng. E. Florio of this office, regarding firms able to supply the alum (solfato d'alluminio) and calcium chloride (clorure di calce), required by the city of Florence's water works for purification purposes.
2. These firms are : S.A.L.P.A. of Castellina in Chianti which could supply the 2 tons/month of alum needed; while the firm "Solvay" at Resignano can readily furnish the 10 tons/month of calcium chloride.
3. Would you kindly furnish this office with written confirmation that the Italian authorities concerned, have already taken steps to assure the Florence Public Works with the above mentioned chemical supplies hereafter.
4. We have to advise that the above mentioned items have not yet been supplied from Italian sources as agreed previously. The Allied Armed Forces which in the past have furnished these chemicals, essential to the proper maintenance of a sanitary water supply for the civilian population of Florence, have notified us that they will no longer accept responsibility in the matter.

CHARLES FEMINGS
Major RASO
Chief
Industry Department

Copy to:
Economic Section
Public Works & Util. Dept.
Ministry of Public Works
(Attn: Eng. A. Asta)

Receipt acknowledged by:
Dr. E. Lubrano
22 January 1946

4852

2 3 3 4

Declassified E.O. 12356 Section 3.3/NND No.

785017

5459 50

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MINISTERO DELL'INDUSTRIA E COMMERCIO
Dir. Gen. Industria e Miniere
Div. IV/Ind.

Prot. 630655

Roma, 26 Gennaio 1946

ALLA : COMMISSIONE ALLEATA
Industry Department

OGGETTO : Depurazione delle acque.

1. Si fa riferimento al foglio No. C/5568/IND, in data 21 corrente, con il quale sono stati comunicati i nominativi delle ditte in grado di fornire solfato di alluminio e cloruro di calce, richiesti dalla città di Firenze per la depurazione delle acque.

2. In proposito si informa, che opportune comunicazioni in proposito sono state fatte, in data 24 corrente, al Comune di Firenze e in data odierna al Ministero dei Lavori Pubblici.

P.IL MINISTRO

s/illegibile

LU/BR

4851

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Declassified E.O. 12356 Section 3.3/NND No.

785017

540951

TRANSLATION

39

MINISTRY OF INDUSTRY & COMMERCE
Gen. Dir. Industry and Mining
Div. IV/Ind.

Rome, 26 January 1946

TO: ALLIED COMMISSION
INDUSTRY DEPARTMENT

Prot. No. 630653

SUBJECT : Purification of water.

1. Reference is made to your letter Ref. AG/5568/IND. dated 21 inst., in which the names were given of the firms capable of supplying aluminium sulphate and calcium chloride to the city of Florence for the purification of the water supply.

2. We wish to inform you that the Comune of Florence was notified by us of the above matter on the 24th inst., and the Ministry of Public Works was informed today.

FOR THE MINISTER

Illegible

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785017

Tel. 459081 Ext. 317

131/ab

HEADQUARTERS ALLIED COMMISSION
APO 394
Industry and Utilities Sub-Commission

C62/TWU

26 January 1946

SUBJECT: Florence water supply

TO : Minister of Public Works
(Attn: Prof. Asta)

1. Confirmation is hereby made to telephone conversation of 26 Jan 46 and to letter from Industry Department AS to Minister of Industry and Commerce copy of which letter was received by you, reference AC/5568/IND, 26 Jan 46.

2. This is to notify that the furnishing of chemicals for the Florence water supply has ceased to be made from military stocks since 1 Jan 46 and will thereafter have to be arranged for by the Italian Government.

3. The "S.A.L.P.A." and "Selvay" firms are in position to furnish the required chemicals in accordance with para 2 letter AC/5568/IND-26 Jan 46 referred to above.

4. Please have this letter acknowledged by your Ministry since the responsibility for the purity of the water at Florence, for human consumption, comes within the jurisdiction of the Ministry of Public Works.

5. It is recommended that your Ministry together with the Department of Health arrange to send representatives to Florence to insure that the proper steps are taken to continue the correct treatment at the city's water supply in order to eliminate any possibility of epidemics or disease amongst the civil population.

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GEORGE F. PARKER
Colonel, Inf.,
Chief Elec. Div.

2337

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Declassified E.O. 12356 Section 3.3/NND No.

5409

37

C 15909
JAN 221834 A

G/7831
JAN 230900

ROUTINE

AFHQ Q BRANCH GHQ CMP
ALCOM

JAN 24 1946

JAN 25 1946

N.R.

UNCLASSIFIED.

Our C 15468 of 21 January 46 to DISTHREE for your information. "Further to your QC 4912 dated 10 Jan and letter 342 Q of 18 January conversation Mason Sibree refers.

1. All supplies for sterilisation of Florence water supply will be discontinued wef 1 Feb.
2. Military water points will be established if the civil supply is not fit for drinking. Not considered likely that Italian Government can take over present sterilization commitment.

AG DIST.

ACTION: PUBLIC HEALTH SC

INFO: CHIEF COMMISSIONER

C.A. SEC

FILE 2

BLOAT

Exec Sec (3)

Ind & UK s/c (1)

Exec Comm. (1)

4848

412

(MOS H & CPT B)

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Declassified E.O. 12356 Section 3.3/NND No.

785017

4C 36

5409 41

RE ALBON CITY ACPWU

211250 JAN 46

A.P.H.Q. - 0-5

688

UNCLASSIFIED

CHEMICALS FOR WATER SUPPLY PLANTS IS SUBJECT PD
 PARA ONE PD REFERENCE YOUR LETTER ONE SIX JANUARY ONE NINE FOUR FIVE
 FILE MARK THREE WHICH WAS RECEIVED BEEN ONE NINE JANUARY PD
 PARA TWO PD MINISTRY INDUSTRY AND COMMERCE HAS BEEN REQUESTED TO MAKE FORMAL
 WRITTEN ACCEPTANCE OF RESPONSIBILITY FOR SUPPLY OF CHEMICALS TO CONFIRM
 VERBAL ACCEPTANCE WHICH THEY MADE IN NOVEMBER PD MATTER IS EXPECTED
 TO BE CLEARED UP IN NEXT FEW DAYS AND YOU WILL BE ADVISED

*This is an internal reply
to file 32*

785017

PRIORITY

Industry and Utilities S/C

*Spiff
23/1/46*

2 3 3 9

Declassified E.O. 12356 Section 3.3/NND No.

785017

HEADQUARTERS ALLIED COMMISSION

APO 394

Office of the Executive Commissioner

33

Ref: 5409/33/EC

19 January 1946

SUBJECT: Water Supply - FLORENCE

TO : Economic Section

1. Attached copy of AFHQ letter dated 16 January 1946 subject as above is forwarded for your immediate action.

2. Please prepare reply for the signature of the Executive Commissioner.

SPH

Chief Staff Officer
to Executive Commissioner

Encl: 1

see M 34-35

*B.U.
21/1/46
SPH*

1346

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Declassified E.O. 12356 Section 3.3/NND No.

785017

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32

ALLIED FORCE HEADQUARTERS
G-5 Section
APO 512

Ref: M-3

16 January 1946

SUBJECT: Water Supply - FLORENCE

TO : Headquarters, Allied Commission, APO 394
(Attn: Executive Commission)

1. Copies are attached of following correspondence ³¹

- (a) AFHQ G-5 letter M-3, dated 17 November 1945
- (b) A.C. letter 038/IU dated 30 November 1945
- (c) AFHQ G-5 letter M-3 dated 4 December 1945 ³⁰

2. No reply has yet been received to our M-3 dated 17 Nov. para 5 or to our M-3 dated 4 December para 3. In addition information has been received from No.3 District that they are being called upon once more to produce the necessary sterilization chemicals for the water supply for the month of January, although the attention of the Allied Commission was drawn on 26 May 1945 to the fact that this was a civil commitment.

3. It is requested, therefore, that you will furnish replies to our two letters under reference by 19 January and confirm that the ITALIAN Government is prepared to shoulder its responsibility in respect of the supply of these chemicals. Units have already begun to carry out their own water sterilization and if the ITALIAN Government does not produce the chemicals concerned it may be necessary to restrict sterilization to military water points.

BY COMMAND OF LIEUTENANT GENERAL MORGAN:

A. L. HAMBLIN
Brigadier General, G.S.C.
Assistant Chief of Staff, G-5

Copy to: "Q"

Incls: As above

*Copies to Econ Sect.
Action - Industry & Utilities &c.*

4845

See 36

(MNH H) 11/1/46

COPY

ALLIED FORCE HEADQUARTERS
G-5 Section
APO 512

Ref: M-3

17 November 1945

SUBJECT: Water Supply - Florence

To: Headquarters, Allied Commission, APO 394

1. Under reference of this HQ letter M-3 dated 26 May 1945, the attention of the AC was drawn to a signal received at this HQ from HQ Florence Command, in which it was requested that a monthly allocation of 10 tons of Chloride of Lime and 10 tons of Alum be provided for the purification of the City of FLORENCE Water supply.

2. To meet the then existing emergency, this HQ authorised releases of these chemicals for a period of 2 months only, but at the same time, stressed that all future requirements must be obtained through Civil channels.

In this respect, AC was asked to give the matter its immediate attention and initiate action as was deemed necessary to ensure the future supply of chemicals for water purification purposes.

3. A further letter, reference as above dated 28 May, notified AC that the SALPA firm, FLORENCE, was producing 2 tons of Alum per day at CASTELLINA IN CHIANTI, near SIENNA, and in view of this the release of Alum from military stocks was cancelled. See also your letter, ref 306/PWU dated 12 June.

4. The following is an extract from a letter from this HQ to HQ, No. 3 District:-

"1. Authority is given for issue of 15 tons Chlorine and 15 tons of Aluminium Sulphate for sterilisation of FLORENCE water supply until end of Dec 1945.

2. G-5 is requested to ensure that the value of these supplies is noted in AC's books as a charge against the Italian Government in sterling. ST will forward necessary vouchers to G-5 for this purpose.

3. G-5 are also requested to investigate as to whether AC can take over this commitment wef 1 Jan, as it is not a proper military responsibility."

5. In view of the disclosures in para 4 above, will you please notify this HQ by not later than 30 Nov what action was taken by Allied Commission on receipt of letters referred to in paras. 1 and 2 above, and take action under para. 4 (2) above.

For the Assistant Chief of Staff, G-5:

(Signed) R.C. Jeffery, Capt., RE,
Economics and Supply Division.

Copy to: (2961)

4814

Declassified E.O. 12356 Section 3.3/NND No.

785017

Tel: 489081 Ext. 317

HEADQUARTERS ALLIED COMMISSION
APO 394
Industry and Utilities Sub-Commission

038/I&U

30 Nov 1945.

SUBJECT: Water Supply Florence

TO : A.F.H.Q. G-5 Section, APO 512
(Att: Economics & Supply Division)

1. Ref your M-3 dated 17 Nov 1945.
2. As advised in previous correspondence the requirements of water treating chemicals for the Florence water system have been provided for up to 1st Jan 1946.
3. We wish to point out that the responsibility for the maintenance of these supplies is now that of the Italian Government, with which of course we will continue to cooperate.
4. We have advised the appropriate Italian Ministries regarding where Alum and Chloride of Lime can be obtained in the future in the requisite quantities and presume that no further action in this matter will be required by this Office.

A. H. SULLIVAN
Director

c.c. to Economic Section
c.c. to Public Wks. & Util. Dept.
c.c. Industry Dept.
c.c. Ministry of Industry & Commerce
c.c. Ministry of Public Wks.
(Att. Ing. A. Asta).

4343

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Declassified E.O. 12356 Section 3.3/NND No. 785017

C O P Y

ALLIED FORCE HEADQUARTERS
G-5 Section
APO 512

4 December 1945

Ref: M-3

SUBJECT: FLORENCE City - Water Supply

TO : Headquarters, Allied Commission, APO 394
(Attn: Industry & Utilities Sub-Commission)

Reference your 038/I&U dated 30 Nov 45.

1. Your para 2. Will you please quote reference and dates of correspondence referred to. The only known provision of chemicals for the above scheme is that mentioned in this HQ letter of even reference dated 17 Nov 45. Please answer para 5 of our letter M-3 of 17 Nov and state what action was taken by Allied Commission.

2. Your para 3. Noted. Will you please confirm that the ITALIAN Government has in fact taken steps to provide these chemicals as from 1st January 1946?

3. Your para 4. Action still required of you, is as outlined in para 4(2) of this HQ memo ref. M-3 of 17 Nov 45. Vouchers will be forwarded to you immediately they are received by this Section.

BY COMMAND OF LIEUTENANT GENERAL MORGAN:

/s/ H.P. CROOM-JOHNSON

for A. L. HAMLEN
Brigadier General, G.S.C.
Assistant Chief of Staff, G-5

Copy to: Q(Maint) - ref phone conversation Majors SIBREE -
JEFFERY, it is requested that ST be
asked to expedite rendition of vouchers
to this Section.

4342

Declassified E.O. 12356 Section 3.3/NND No.

785017

Ref: 5409/28/30.16 August 1945.SUBJECT: Acqua Pia Society.TO : Public Works Sub-Commission.
Through: Economic Section.

Attached correspondence is passed for action in
accordance with conversation Captain Shepherd - Brigadier Lush,
this afternoon.

M S. LUSH

MEL/JG.

Brigadier,
Executive Commissioner.4341
PA
18/9

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Declassified E.O. 12356 Section 3.3/NND No.

785017

Ref: 5409/27/PC.

16 August 1945.

26
I have spoken to the Public Works and Utilities Sub-Commission with regard to your letter of August 15th in connection with the needs of the Acqua Pia Society. They are making enquiries as to the availability of the material in the North and will give every assistance to make it available and to provide transportation for its journey to Rome.

If the Society should approach you again perhaps you would be good enough to ask them to contact Captain Shepherd of the Public Works and Utilities Sub-Commission who knows the details.

M. S. LUSH

Brigadier General Thoburn K. Brown,
Commanding General,
Rome Area Allied Command, APO 724.

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Declassified E.O. 12356 Section 3.3/NND No.

785017

ROME AREA ALLIED COMMAND
APO 794, POSTMASTER NEW YORK CITY
OFFICE OF THE COMMANDING GENERAL

COPY

26

15 August 1945

Brigadier Maurice S. Lush
Chief of Staff,
Allied Commission,
APO 394, US Army.

My dear Brigadier Lush,

In confirmation of our telephone conversation this date, I am inclosing herewith the correspondence in connection with the needs of the Acqua Pia Society.

You will note there are two requirements to meet their needs; first, authority to purchase and ship the necessary supplies from Milan to Rome, and second, authority to use railroad service for this shipment.

I am very much interested in this matter since it vitally affects the water supply of Rome, and I would appreciate your personal action in the matter to insure that all is done to expedite action in the case. Will you be kind enough to inform me the results of your efforts.

With kindest personal regards, I am,

Sincerely yours,

THOBURN K. BROWN
Brigadier General, US Army

2 Incl:

Translation of letter from Aqua Pia Director.
Translation of letter from Aqua Pia Society.

see 27 78 4839

Declassified E.O. 12356 Section 3.3/NND No. 785017

ROME AREA ALLIED COMMAND
Office of the AC of S, G-2
APO 794, US ARMY
Translation Department

14 August 1945

Translation of attached is as follows:

ACQUA PIA SOCIETY
Antica Marcia

Rome, 13 August 45

TO: General Brown
C.G. Rome Area

In May this Society sent to Milan one of their employees to procure a supply of materials needed for the maintainment of the aqueduct. These materials have not been available for a few years and the Society is at present without them. Though these are available (see No. 1 letter inclosed) we have not been able to buy them yet because of the well known restrictions existing and inspite of the fact that the Ministry of Industry recognizes the need. (See letter No. 2 inclosed).

Since it is absolutely urgent that we have these materials for the execution of those works which are for the benefit of the consumers, we request that you intervene for us at the proper Allied Authorities so that we may obtain the authorization to buy from the Damine Firm of Bergamo; Falci and Novati of Milan, the materials in question as listed in the attached list.

Since we have to provide for the Transportation of these materials from Milan and Bergamo to our warehouses in Rome and considering that it would require at least 10 trucks (total weight of materials about 35 Tons) and be a serious expense and a large waste of gasoline: we request that permission be obtained to transport these materials in two covered railway cars on a Allied Military train. These cars could be assigned for this purpose by the Railway Command.

We are certain that you will interest yourself in this matter in recognition of our efforts to overcome the serious difficulties which obstructed us in restoring to normality the service of supplying drinking water to Rome. We thank you very much.

Respectfully,

4838

The Director

(s)/Illegible/

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Declassified E.O. 12356 Section 3.3/NND No. 785017

ROME AREA ALLIED COMMAND
Office of the AC of S, G-2
APO 794, US ARMY
Translation Department

14 August 45

Translation of attached is as follows:

- - - -

TO: General Brown,
C.G. Rome Area.

Rome, 13 August 45

In transmitting to you the attached letter, sent to E.N.A.C. and to the Allied Authorities, we would appreciate it if we could count on your support in order to avoid the inconveniences we foresee and the possible limiting of our services of distributing drinking water which would also affect the Allied troops.

Respectfully,

The Director,

/s/ (Illegible)

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Declassified E.O. 12356 Section 3.3/NND No.

785017

5409
RESTRICTED

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JUL 071515B

E/8704

JUL 081045B

PRIORITY

From: ARE LIGURIA REGION FROM CARR

JUL 24 1945

To: IV CORPS FOR G5 RPTD INFO AND 5 ARMY RPTD HQ ALCOM

RESTRICTED.

Although I have received no official information on the matter. Understand that proposal is to establish 5 ARMY rest centre in GENOA CITY for considerable number of troops. A serious water shortage GENOA CITY has developed and severe restrictions in next few days are inevitable. Regional engineer and public health officer consider establishment rest centre most inadvisable. Under such circumstances request that urgent reconsideration be given this matter and if necessary despatch of 5 ARMY engineer representative to consult with regional engineer civil aspect water supply. End signed CARR.

DIST

INFO-ACTION: IW & U S/C

INFO: Chief Commissioner

Ex Commissioner

Enon Sec

CA Sec

P. Health

File

RESTRICTED

HEADQUARTERS

9 JUL 1945

43

[Handwritten signature]

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Declassified E.O. 12356 Section 3.3/NND No.

785017

5409 *See below*
HEADQUARTERS ALLIED COMMISSION
APO 394
Economic Section

RWS/rly

22

20

Reference: 062/IWU

7 June 1945

Subject : Water Pumps for Leghorn Water System.

To : Headquarters, Peninsular Base Section.

JUN 8 1945

Reference your AG671.1 BEHC dated 27 May 1945.

1. Please be advised that the project for the construction and installation of pump-motor units for the Leghorn Water System was given final approval by this Headquarters on 2 June.

2. This project has been discussed in detail with the Regional Engineer, Toscana Region, and arrangements have been made for work to proceed without delay.

For the Chief Commissioner:

(Sgd) D.L.A.

D. L. ANDERSON
Brigadier
Deputy Vice President

Copy to:
Regional Commissioner
Toscana Region.

*See below - Your 5409/21/EC J
20 May 45 refers*

21

JUN 20 1945

9/6

(Copy Attached)

2351

Declassified E.O. 12356 Section 3.3/NND No.

785017

ALLIED [REDACTED] COMMISSION

INTER-OFFICE MEMORANDUM

ABA/son

Office of the Executive Commissioner

SUBJECT: Water Pumps for the Leghorn System

FILE No. 5409/21/ES

TO : Economic Section

30 May 1945

1. Enclosed is a letter from Headquarters Peninsular Base Section, their reference, AG 671.1 BEING of 27 May, with reference to water pumps for the Leghorn System.

2. This letter is passed to you for appropriate action and it would be appreciated if a copy of your reply were to be forwarded to the Executive Commissioner's Office for its files.

A. B. ARNOLDY.

Chief Staff Officer
To Executive Commissioner

See 22
Listed 5/6
5/6

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Declassified E.O. 12356 Section 3.3/NND No. 785017

5409 RESTRICTED

HEADQUARTERS
FEDERAL BUREAU OF INVESTIGATION
APR 1945

AG 671.1 BPENG

27 May 1945

SUBJECT: Water Pumps for Leghorn Water System.

TO : Provincial Commissioner, Allied Commission, Rome.
(Attn: Executive Commissioner)

1. It is understood that the Genio Civile of Leghorn Province has presented to the Public Works and Utilities Division, Toscana Region, Allied Commission, a proposal by Sella, 1 Via Sallustiana, Rome, for the construction and installation of ten (10) pump-motor units at the Fioletto Pump Station of the Leghorn water system. It is further understood that a contract for the work has not yet been signed. The project was originally proposed in January 1945.

2. Water supply in Leghorn, particularly for the civilian population, is critical with the advent of hot weather and heavy military water demands for redeployment and prisoner of war compounds. Pumps at Fioletto now consist of one (1) civilian-owned electric motor driven pump and four (4) army-owned gasoline engine driven pumps. The army-owned pumps will have to be withdrawn within the next few months which will leave Leghorn with only about 30 per cent of the capacity of the Fioletto Pump Station and no standby unless additional pumps are installed.

3. This headquarters is interested in the completion of the project in order that military equipment may be relieved and at the same time provide water for the civilian population and more adequately for military use.

4. It is requested that completion of the contract and the whole project be expedited particularly in view of present critical water supply situation for civilians in the Comune of Leghorn.

FOR THE COMMANDING GENERAL:

C. I. ZUCKER
Captain, AGD
Asst Adj Gencc. Regional Commissioner,
Toscana Region, AC

RESTRICTED

2353

Declassified E.O. 12356 Section 3.3/NND No.

785017

Ref. 5409/13/EC.

18 April 1945

SUBJECT: Water Supply for San Giovanni Valdarno.

TO : A/President, HQ Allied Commission.

Reference your memorandum to Brig. Lush of 10 March, there is attached herewith an engineering report from the Public Works and Utilities Division of Toscana Region and a letter from the Regional Public Health Officer, Toscana Region for your information.

Major E. Talbot

Chief Staff Officer,
To Executive Commissioner.

Copy to: P.W.U. s/c (thru Rem Sec).

Encl. 2

4832

SECRET

HEADQUARTERS
ALLIED MILITARY GOVERNMENT
TOSCANA REGION
PUBLIC WORKS & UTILITIES DIVISION

HWIII/100/ETR/4

6 April 1945

SUBJECT: Water Supply - San Giovanni Valdarno.

TO : Regional Engineer.

1. I met Capt. Saul with the Provincial Engineer at S. Giovanni today. (Capt. Saul's report of 23 March only reached this office today and was not seen by me until by return).
2. The normal supply is entirely from private wells, about 7 metres deep. This supply is stated to be always adequate as regards quantity (no figures available) but has previously been unsatisfactory as regards quality. There have been previous outbreaks of typhoid. The present epidemic is supposed to be due to flooding from the ARNO last year, which carried pollution from cesspools etc. into the water bearing strata. The population is about 9000; there were 146 typhoid patients in hospital on 31 March, and 140 on 5 April. There have been 11 deaths, but the situation is considered to be improving steadily.
3. As stated in para 5 of Capt. Saul's report, the supplies are being chlorinated at public fountains, and sterilizing powder is distributed to individuals for use with private supplies.

4. According to the Engineer, the question of a piped supply from another source was considered at least 20 years ago. The deep wells only produce an unpotable water, and the nearest adequate potable supply was found to be at M.R. 950390. The supply has been measured over a considerable period and the minimum yield (October) found to be 10 litres/second which would supply 24 gallons per head per 24 hours.

Work in the intake, a series of wells joined by an underground gallery, was started some years ago, and this intake would be available for use after clearing. We visited the site, but the wells are covered over and could not be examined. The outlet from the gallery was found, and the supply appears good.

5. The source is 177 metres above S. Giovanni, but as it lies in a valley the pipe line would have to follow the line of the stream for some distance, and the total length would be 7800 metres with no possibility of any appreciable reduction in length. Access to the upper 2000 metres is by foot path only, though small carts might be able to approach to carry pipes to site. Access for the remainder of the line is quite good, though steep in places.

6. The hydraulic gradient of a 4" pipe passing 10 metres/second (=132 gallons/minute) is about 1 in 50, so that friction losses with this flow over 7800 metres would be 156 metres i.e. a 4" pipe is quite adequate. A service reservoir would be required above the town, and would also provide a means of reducing static head in the town supply.

SUBJECT: Water Supply - San Giovanni Valdarno.

TO : Regional Engineer.

1. I met Capt. Saul with the Provincial Engineer at S. Giovanni today. (Capt. Saul's report of 25 March only reached this office today and was not seen by me until by return).

2. The normal supply is entirely from private wells, about 7 metres deep. This supply is stated to be always adequate as regards quantity (no figures available) but has previously been unsatisfactory as regards quality. There have been previous outbreaks of typhoid. The present epidemic is supposed to be due to flooding from the Arno last year, which carried pollution from cesspools etc. into the water bearing strata. The population is about 9000; there were 146 typhoid patients in hospital on 31 March, and 110 on 5 April. There have been 11 deaths, but the situation is considered to be improving steadily.

3. As stated in para 5 of Capt. Saul's report, the supplies are being chlorinated at public fountains, and sterilizing powder is distributed to individuals for use with private supplies.

4. According to the Engineer, the question of a piped supply from another source was considered at least 20 years ago. The deep wells only produce an unpotable water, and the nearest adequate potable supply was found to be at M.R. 950390. The supply has been measured over a considerable period and the minimum yield (October) found to be 10 litres/second which would supply 24 gallons per head per 24 hours.

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6. The hydraulic gradient of a 4" pipe passing 10 metres/second (=132 gallons/minute) is about 1 in 50, so that friction losses with this flow over 7800 metres would be 156 metres i.e. a 4" pipe is quite adequate. A service reservoir would be required above the town, and would also provide a means of reducing static head in the town supply.

7. There is considerable unemployment in S. Giovanni and unskilled labour is readily available but would need transporting to site.

8. Summary. (a) The present method of chlorinating the supply from public foundations appears adequate, but the private chlorination does not appear very satisfactory in view of the lack of supervision. It is suggested that the provision of more tanks, or barrels, to give a total storage of up to 30,000 litres (6,600 gallons) from supplies which can be chlorinated by the local

16
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medical authorities, and closing of all other wells, would be the simplest, quickest, and cheapest solution to the present problem. The tanks offered by 55 Area might be scraped and painted internally and put into use.

The figure of 30,000 litres is based on a daily consumption of 40 litres per head over 12 hours, the tanks being in pairs as before to allow at least one hour's storage after chlorination. This will probably involve considerable use of private wells as public supplies, but appears to be the only means of ensuring adequate chlorination.

(b) If a new supply of water be considered essential (and it has been apparently shelved for a long period) the source mentioned in para 5 appears the best supply. (Montevarchi has very little water to spare, and the saving of 3,000 metres of pipe would be offset by the need for a pumping plant). The necessary amount of Victualic piping could be laid by civilian labour supervised by military engineer MM/O.Rs in 7-10 days, largely depending on transport available for materials and labour. The source could be cleaned out during the same period.

Since no adequate storage reservoir exists, a small break pressure tank above the town would be necessary to avoid excessive pressure at public stand-pipes.

This scheme would presumably be of a temporary nature only, either until the present epidemic ceases, or until a permanent piped supply from the same sources, which could take about 2-3 months to lay, could be completed. A services reservoir could be constructed later when the authorities decide to lay a distribution system in the town.

J.W. PERKINS
Capt. R.E.

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Declassified E.O. 12356 Section 3.3/NND No.

785017

C O P Y

HEADQUARTERS
TOSCANA REGION
ALLIED MILITARY GOVERNMENT

Ref: RVIII/30/1/33

3 April 1945

SUBJECT: Water Supply - S. Giovanni Val D'Arno.

TO : Adjutant, Toscana Region.

*all references referred to
on previous file*

1. Reference your RVIII/100/150, dated 28 March 1945 and attached AR/RQ/124-2, dated 20 March 1945 on a/m subject, whilst a mains water supply to any village is always considered a public health necessity, it is considered that first priority should not be given to the scheme proposed.

2. This commune has, in normal circumstances, a fairly good water supply, and the project to provide it with a mains supply is of many years' standing.

3. If this scheme could be done without interfering with other, more important, work it should be done, but the immediate decision is rather one for the Public Works and Utilities Officer, who knows details of availability of labour, materials etc., than for this Department.

Major, R.A.M.C.
Wm. Mackenzie, Major,
R.P.H.O.,
Toscana Region.

4329

Copy to:
Regional Public Works and Utilities Officer, Toscana.

WM/1m

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Declassified E.O. 12356 Section 3.3/NND No.

785017

5409

14

AMG TOSCANA REGION

APR 10 1945

5087

9 APRIL 45

ROUTINE

RESTRICTED PD

SUBJECT IS WATER PD

PAREN TO AMG TOSCANA FOR REGIONAL ENGINEER FROM HQ ALCOM CITE ACPWU

PAREN

PARA ONE PD PLEASE FORWARD REPORT ON WATER PROBLEM SAN GIOVANNI
VALDARNO AS REQUESTED BY TELEPHONE THIS HEADQUARTERS

4328

PUBLIC WORKS

339

8

2359

Declassified E.O. 12356 Section 3.3/NND No.

785017

11

Ref. 5489/11/OC.

Vol. 451

14 March 1945

SUBJECT: Water Supply to San Giovanni Valdarno.
Arezzo Province.

TO : Economic Section for
Public Works and Utilities S/O.

1. Confirming telephone conversations yesterday (Lt. Col. J.B. Thompson, Capt. Shepherd and Major Kively) and since the A/President will be away from HQ for several days, it is recommended that the reply to his inquiry regarding the above subject be supplemented with an engineering report from the Regional Engineer of Toscana Region.

2. May this be expedited please?

JRB
4 Chief Staff Officer,
To Executive Commissioner

PWD are yet getting a report from
Regional Engr. Toscana 2/4 *JRB* B/u 5/4

see folder 17

see 1712 1827

26 1/3

E

Tel. 489081. Ext. 339

HEADQUARTERS ALLIED COMMISSION
APO 394
Public Works and Utilities Sub-Commission

RWS/rlv

078/TO/1/PWU

12 March 1945

Subject: Water- San Giovanni Valdarno.
Arezzo Province.

To : Vice President, Economic Section.

The following information is offered with
reference to the water situation at the above Commune:

Lt.Col.Lee, Regional Engineer, has been informed locally on the situation but has received no request from either the Regional Medical Officer or the Provincial Commissioner for work to be undertaken. The Commune has never had a central water supply system but depended entirely upon several wells. Certain of the wells have become contaminated as a result of the flood water and adjacent cess pools and water can be used for drinking purposes from these particular wells only after boiling. Some fear is prevalent locally of an outbreak of typhoid.

The supply of water pipe, as suggested, will not solve the problem, as a complete water system will be required including impounding facilities. If it is desired Lt.Col.Lee will cause an engineering investigation to be made after which definite recommendations can be offered as to the most practical solution.

For the Chief Commissioner:

V.S. Thompson 1026
V.S. THOMPSON
Lt.Col. R.C.E.
Chief, Public Wks.Div.

2361
Declassified E.O. 12356 Section 3.3/NND No. 785017

5409
HEADQUARTERS ALLIED COMMISSION

Office of the President

APO 394

To: Brigadier Lush.

From: Mr. Macmillan.

MAR 10 1945

Colonel Quin-Smith told me that he was trying to get some steel tubing from San Giovanni to Montivarchi. Will you tell me whether there is any chance of this being done? The purpose is to bring a supply of drinking water to San Giovanni.

Ham

10th March, 1945.

See ②

4825

2362

Declassified E.O. 12356 Section 3.3/NND No.

785017

6322

250/55

Ref. AC/5601/IND.

28 February 1945

SUBJECT : Aniene Plant -
Salt for Production of Chlorine.

TO : Economic Section.

FROM : Industry Sub-Commission

1. The Aniene plant was put in working order by this Sub-Commission and therefore the situation at the plant is well known. The plant has been ready for operation since December 1944.

2. For technical reasons a specially pure quality of salt is required. This is produced in Sicily. No other salt available on the mainland at this moment is suitable.

3. Reactivation of the plant has been delayed by transportation difficulties. The enclosed list is self-explanatory in this respect. This list is not forwarded for the purpose of criticism, but in order to state the facts.

4. Following new arrangements made between Transportation Sub-Commission and ANIC emergency transfers by sea have been accepted. The first schooner load (120 tons) is under way and the second (120 tons) should follow by the end of the month.

Copy to -
Public Health S/C.
(Attn: Lt. Col. Frizelle)

/s/ A. S. VAUGHAN
Director,
Industry Sub-Commission.

1 Incl.
List as per para 3
above.

4824

COPY

see M. H.

2363

Declassified E.O. 12356 Section 3.3/NND No.

785017

52409

File

3A

Extract of Minutes of Chief of Staff's Conference held on 13 February 1945.

Stocks of Chlorine CA Sec reported that they had been informed by Public Health Sub-Commission that a priority shipment of 150 tons of rock salt had been made

4823

2 3 6 4

Declassified E.O. 12356 Section 3.3/NND No.

785017

5409
File 3B

Extract of Minutes of Chief of Staff's Meeting held on 9 February 1945.

Stocks of Chlorine. GA Sec had sent a letter to Econ Sec and the matter was now most urgent. CAC directed Econ Sec to take immediate steps to get some rock salt up to Ranc.

4322

2365

Declassified E.O. 12356 Section 3.3/NND No.

785017

Ref: 5409/2/COS

Ref: 451

7 February 1945

SUBJECT: Supplies for Water Chlorination.

TO : Economic Section.

1. The attached letter from LAZIO-UMBRIA Region of 7 Feb 45, reference 1/2827, is forwarded for your immediate attention. The matter of salt supplies for the chlorination plant should be investigated and positive action taken towards making these supplies available to avert a critical situation in the ROME area.

2. Please report the status of this matter and action being taken to this office.

Incl:
as above

JEP
Chief Staff Officer,
To the Chief of Staff.

Copy to: Civil Affairs Section.
Public Health S/C.

RV 14/2
14521

PA 8 1/2

2366

Declassified E.O. 12356 Section 3.3/NND No. 785017

HEADQUARTERS
ALLIED MILITARY GOVERNMENT
LAZIO-UMBRIA REGION
APO 394

R/2827

7 February 1945

SUBJECT : Rome Water Supply Chlorination.

TO : Chief of Staff
Headquarters, Allied Commission.

1. The Regional Engineer reports that the present supply of chemicals for chlorination are sufficient to last until 15th February in the case of AGRA and 1st March in the case of MARCIA. The water supply for Rome and surrounding towns is unfit for drinking without chlorine. The situation will be worsened with the advent of the summer months. The situation is obviously critical.
2. The Societa' Metallchimica Aniene, Rome, in order to produce chlorine and chlorites for the treatment of the water supply for Rome and surrounding towns, needs certain types of salt.
3. It will be necessary to have 110 tons of marine salt or 100 tons of rock salt in order to operate the plant. The full capacity of the plant would require between 500 and 600 tons per month. 100 to 110 tons per month is the minimum capacity on which the plant can operate.
4. Either of the above types of salt can be used with the requirement that the percentage of magnesium shall not exceed 0.10 or 0.15%. For technical reasons production by electrolysis methods will not permit the use of a higher percentage of magnesium. For that reason the salt coming from the State factories at Sardinia and the existing salt in Rome, is not usable (magnesium content 1 to 1.5%). Salt from Sicily or Pontevicci and other places in Sardinia which falls within the 0.10 or 0.15 % magnesium content is usable.
5. On the basis of minimum permissible operation, a sufficient supply of chlorine can be manufactured in two thirds of a month's operation of the Aniene plant in order to take care of the present normal needs of the A.G.E.A. and MARCIA water companies Rome water supply for a six months period.
6. This situation had been brought to the attention of the Economic Section, Headquarters, Allied Commission, as early as December. Immediate action is requested.

Original to Econ. Sec. in file 2

J.D. SCHOLTZ
Lt. Colonel
Acting Regional Commissioner.

2367

Declassified E.O. 12356 Section 3.3/NND No.

785017

5409

File

1A

Extract of Minutes of Chief of Staff's Meeting held on 6 February 1945.

Stocks of Chlorine. CA Sec reported the Italian Government were getting short of chlorine for the purification of water. There were 600 tons of chlorine awaiting shipment in Sicily. If part of this could be got to Rome, there was a plant capable of manufacturing half a ton of chlorine daily. CA Sec would send a letter to Econ Sec for action.

4019

PA [signature]
10
2

