

ACC 070/PWM

10000/150/36

GENERAL T
SEWAGE, E
OCT. 1943

10000/150/36

GENERAL REGION II (WATER, GAS,
SEWAGE, ETC.)

OCT. 1943 - MAR. 1944

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

LAJ/mc

ACC/070/PWU.

31 March 1944

Subject: Leather for ~~sl~~ice gate gaskets in Region II.

To : Regional Control Commissioner Region II.

1. I am attaching hereto a copy of translation of a letter received from the Minister of Public Works asking that 8 Kilos of leather be furnished to the Aquedotte Pugliese to be used for making gaskets required for the water supply in Apulia and Lucania.

2. As this is a regional supply problem will you please arrange to have your Supply Officer furnish this leather.

L.A. JENNY,
Lt.Col., C.B.,
Director.

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HEADQUARTERS
 ALLIED CONTROL COMMISSION
 Public Works & Utilities Sub-Commission
 APO 394

LAJ/in

ACC/O7C/PWU

March 23, 1944

Subject : Procedure in connection with
 Public Works, Region II.

TO : Regional Control Commissioner, Region II,
 Attention Public Works Officer.

We have received from Region II a considerable number of requests for authority to proceed with certain public works, in some cases, amounting to considerable sums. Under A.M.G. procedure we could act on these, but as your region is in Italian controlled territory all such requests must be sent by the local engineer to his Compartment Engineer and from him to the Minister of Public Works for consideration and submission to us for approval. The Compartment Engineer must eliminate all projects which may not be absolutely essential and send to the Minister only such projects which, in his opinion, should receive high priority. The Minister again will, after reviewing these projects, send to this office only such projects which, as viewed from his level, are proper and essential.

In order to have a simple system to follow I submit the following as the accepted procedure:

1. Either your officers or the Italian Engineers, originate such projects, making sure that only the most essential work be done in accordance with a recent directive from the Chief Commissioner at the request of higher authority.

2. If originated by you, you are to contact the local Italian Engineer and have him prepare plans and estimates of cost and submit these to his Compartment superior with a letter from you, with a copy of your letter to this office, stating, very briefly:

- a. What the project is
- b. Where it is
- c. What the estimated cost is
- d. Why you recommend approval.

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3. If the Italian Engineer originates the project he must also have such a letter from you showing that you concur in his recommend-ation, and giving data (a. to d. above), with copy to this office, for submission to his chief.

4. Requests for approval by Italian Engineers must all be numbered, giving first the Compartment, then the Province, Community and the number. Your approval will have the same information so as to make identification simple when the project reaches us.

5. When a project reaches us we will then notify you whether it is rejected or approved and the Ministry of Public Works will notify its engineers, through channels, accordingly.

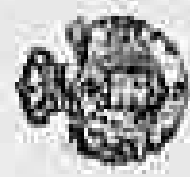
6. After approval has been received the Italian Engineers can then proceed to have contracts prepared in the manner prescribed by the Ministry of Public Works, obtaining whatever approvals are necessary from his superiors.

7. The Italian Engineers are responsible for the execution and supervision of the work. However, your office should follow up and make sure that approved projects are carried out promptly and in a satisfactory manner.

L.A. JENNY
Lt.Col., C.E.
Director.

C.C. to Minister of Public Works
C.C. to Lt.Col. Laboon.

4257



MINISTERO

DEI

LAVORI PUBBLICI

Al

Prot. N.

Alligati

OGGETTO:

Zona 2^a dell'Italia Liberata
Esecuzione di lavori pubblici
e relativo finanziamento

Risposta al foglio del

Dir.

Sez.

N.

Il Sig.Col.L.A.Jenny Direttore della Sottocommissione di Controllo dei Lavori Pubblici impartisce le seguenti disposizioni, stabilite di intesa fra la detta Sotto-Commissione e quella dei Servizi Finanziari.

1 - La progettazione e quindi la esecuzione delle opere in genere può essere richiesta agli Uffici provinciali dipendenti da questo Ministero, dai Commissari locali (militari o civili) dei Comandi Alleati, oppure essere fatta di iniziativa dei comitati uffici.

Nel primo caso gli uffici procedono senz'altro alla compilazione dei progetti, un originale dei quali deve sottoporre all'approvazione dei Commissari locali, i quali, a loro volta, li faranno pervenire alla Sottocommissione di controllo dei Lavori Pubblici, mentre un altro originale deve essere inoltrato sollecitamente dagli Uffici provinciali al rispettivo Capo Compartimento, il quale, con suo parere motivato, previo accesso in luogo ove si rende necessario, e con riferimento anche all'importanza e all'urgenza dell'opera progettata, lo farà tenere sollecitamente al Capo dei Servizi Tecnici della Regione. Questi sempre col proprio parere motivato come detto per il Capo Compartimento.

Per 1^a 2^a 3^a 4^a 5^a 6^a 7^a 8^a 9^a 10^a 11^a 12^a 13^a 14^a 15^a 16^a 17^a 18^a 19^a 20^a 21^a 22^a 23^a 24^a 25^a 26^a 27^a 28^a 29^a 30^a 31^a 32^a 33^a 34^a 35^a 36^a 37^a 38^a 39^a 40^a 41^a 42^a 43^a 44^a 45^a 46^a 47^a 48^a 49^a 50^a 51^a 52^a 53^a 54^a 55^a 56^a 57^a 58^a 59^a 60^a 61^a 62^a 63^a 64^a 65^a 66^a 67^a 68^a 69^a 70^a 71^a 72^a 73^a 74^a 75^a 76^a 77^a 78^a 79^a 80^a 81^a 82^a 83^a 84^a 85^a 86^a 87^a 88^a 89^a 90^a 91^a 92^a 93^a 94^a 95^a 96^a 97^a 98^a 99^a 100^a

Zona 2^a dell'Italia liberata
Esecuzione di lavori pubblici
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L'autorizzazione all'esecuzione dei lavori viene data dal Ministero dei Lavori Pubblici d'accordo con la Sottocommissione di Controllo dei Lavori Pubblici (Col. Jenny), quando ne sia stato assicurato il relativo finanziamento come qui di seguito.

2 - Fermo restando il finanziamento dei lavori relativi alle strade definite militari dal Comando Alleato con 600 milioni all'uopo stanziati dal Governo Italiano, per tutti indistintamente gli altri lavori al necessario finanziamento deve pure provvedere il Governo Italiano, il quale, però in caso di difficoltà potrà rivolgersi al Comando Alleato per

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i necessari aiuti.

3 - Le richieste di lavori urgenti da parte dei Commissari Alleati riguardanti tanto strade militari (Statali, Provinciali o Comunali, traverse interne agli abitati o non) quanto altri generi di lavori debbano essere subito accolte dagli uffici provinciali di questo ministero, i quali debbono provvedere immediatamente all'esecuzione dei lavori, provvedendo nel contempo alla redazione dei relativi progetti e al loro inoltro come indicato ai punti precedenti.

4 - Circa gli appalti dei lavori il sig. Col. Jenny, allo scopo di affrettare l'esecuzione, si terrebbe più conveniente che vi provvedessero gli uffici provinciali mediante gara fra imprese idonee per le specialità dei lavori in appalto, invitandone almeno tre per ogni gara, con l'avvertenza che le imprese invitate debbono presentare, con la propria offerta, anche l'elenco dei mezzi che esse possono mettere a disposizione del lavoro in appalto e del quale non debbono essere distrutti se non quando resi superflui o inutilizzabili.

L'aggiudicazione dell'appalto verrebbe subordinata oltre che alla più conveniente offerta, anche alla disponibilità dei mezzi in relazione all'importanza ed urgenza dell'opera, il tutto da discriminarsi dagli uffici appaltanti sotto la loro responsabilità.

A quanto sopra gli uffici cui la presente è diretta vorranno strettamente attenersi dandone sollecite assicurazione a questo ministero.

Unisco alla presente la carta della strada militare presentata nella

zona 2a

IL DIRETTORE GENERALE

MINISTRY
OF
PUBLIC WORKS

Subject:
Region 2 of Liberated Italy.
Execution of public works and its financing.

Col. L.A. Jenny, Director of the Public Works Sub-Commission issues the following orders, established with agreement between the above Sub-Commission and the Finance Sub-Commission.

1 - The planning and therefore the execution of the works in general can be requested of the Provincial Offices subject to this Ministry, by the local Commissioners (military or civilian), or it can be made ^{on the} initiative of the above Offices.

In the first case the offices immediately proceed to the compilation of the projects, submitting an original to the approval of the local Commissioners, who, in their turn, will submit them to the Public Works Control Sub-Commission, while another original must be sent without delay by the Provincial offices to the respective Chief of the Department, who, giving his opinion in the matter and stating reasons, after inspection in the place if deemed necessary, and with comments on the importance and the urgency of the work under project, will transmit it promptly to the Chief of the Technical Services of the Region. The latter, giving his opinion and stating reasons as in the case of the Chief of the Department, will submit the project to the Ministry of Public Works.

Authorization for the execution of the works will be given by the Ministry of Public Works in agreement with the Public Works Control Sub-Commission (Col. Jenny), when its financing has been assured as referred to in the following paragraph.

2 - While the financing of works concerning roads classified as military by the Allied Command with 600 millions provided for the purpose by the Italian Government remains unchanged, for all other works, indistinctly, the Italian Government must also provide the necessary financing, although in the case that difficulties are encountered, it can turn to the Allied Command for the necessary help.

3 - Requests for urgent works by the Allied Commissioners concerning military roads (Statals, Provincial, or Communal, small ⁴⁰⁰⁰ ~~4000~~ within and without towns) as well as other types of works, must be immediately referred to the offices of this Ministry; these offices

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3 - Requests for urgent works by the Allied Commissioners concerning military roads (Statal, Provincial, or Comunal, small ~~423~~ within and without towns) as well as other types of works, must be immediately taken care of by the provincial offices of this Ministry; these offices must promptly provide for the execution of the works, at the same time providing for the drawing of the relative projects and their forwarding as indicated in the preceding paragraphs.

4 - As for the contracts concerning the works, Col. Jenny, in order to hasten their execution, deems it more convenient, that the Provincial offices should provide, through bids among firms capable of handling the kind of works to be undertaken, inviting at least three firms for every bid, with the notice that the Firms invited must submit, together with their offer, also a list of the means that ~~they~~ are available to them in connection with the work to be done, and by which they must not be destroyed unless when rendered superfluous or unusable.

The adjudication of the contract should be subordinated, not only to the most convenient offer, but also to the availability of means in connection with the importance and urgency of the work, all to

(OVER)

be under the responsibility of the contracting offices.

The offices to which this letter is directed shall comply with its regulations, giving prompt assurance to this Ministry.

I enclose with the present a map of military roads included in Region 2.

THE GENERAL DIRECTOR

(translation)

proposed draft of letter

subject :

Region II of Liberated Italy
Execution of public works and
their financing

Colonel Jenny, Director of the Control Sub-Commission of Public Works is giving the following dispositions, fixed in agreement with his(said) Sub-Commission and that of the Financial Services.

1- Projects and the execution of works may in general be requested to the provincial Offices depending from this Ministry, by the local Commissioners (military or civilian) of the Allied Commands, or may be ordained by said (Provincial) Offices.

In the first case the Offices will proceed without delay to the preparation of the projects, the original of which must be presented for the approval of the local Commissioners, which will forward them, at their turn to the Control Sub-Commission of Public Works, meanwhile another original (of the project) must be sent promptly by the Provincial Offices to their respective Chief of Compartimento, who will give his opinion, if necessary after a personal inspection if necessary, making reference to the reason and also to the importance and the urgency of the projected work, will forward the project to the Chief of the Technical Services of the Region. This Chief, adding his personal opinion expressed and formed as in case of the Compartimento Chief, will forward the project to the Ministry of Public Works.

The authorization ~~improrovvisamente~~ ^{for} the execution of works will be given by the Ministry of Public Works in agreement with the Control Sub-Commission of Public Works (Colonel Jenny) when the necessary financing will be obtaining in the manner hereinafter mentioned.

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In the first case the Offices will proceed without delay to the preparation of the projects, the original of which must be presented for the approval of the local Commissioners, which will forward them, at their turn to the Control Sub-Commission of Public Works, meanwhile another original (of the project) must be sent promptly by the Provincial Offices to their respective Chief of Compartimento, who will give his opinion, ~~is necessary~~ after a personal inspection if necessary, making reference to the reason and also to the importance and the urgency of the projected work, will forward the project to the Chief of the Technical Services of the Region. This Chief, adding his personal opinion expressed and formed as in case of the Compartimento Chief, will forward the project to the Ministry of Public Works.

The authorization ~~expressed~~ ^{for} the execution of works will be given by the Ministry of Public Works in agreement with the Control Sub-Commission of Public Works (Colonel Jenny) when the necessary financing will be obtaining in the manner hereinafter mentioned.

2- Bearing in mind that the financing of the works concerning the roads, classified as military by the Allied Command, is to be covered by the 600 millions allocated for this purpose by the Italian Government, for any other works, indistinctly, the Italian Government must provide for their financing, with the possibility, in case of difficulty, to address itself to the Allied Command for help.

3 - Requests for urgent works made by the Allied Commissioners for military roads (State, Provincial or Communal including sections of roads inside ~~xxx~~ inhabited localities) or other type of works must be immediately accepted by the provincial offices of this Ministry, who must take care immediately of the execution of such works, preparing at the same time their projects and to send them as above indicated.

4 - Concerning the works to be ~~examined~~^{contracted} by ~~the contractor~~, Colonel Jenny, in order to speed up their execution, thinks more advantageous that same be taken care by the provincial offices ~~by means~~ which should ask for tenders from firms specializing in the type of work to be let, inviting at least three firms for each tender, with the understanding that the contractors, together with their bids, must also submit a list of the equipment that they can use for the work in question and which must not be destroyed only when becoming superfluous and useless.

The letting of the contracts would depend in addition to the most advantageous offer, also by the availability of means in relation to the importance and urgency of the work, this point to be decided by the offices asking for tenders under their own responsibility.

To what above the Offices to which the present communication is addressed, will have to adhere strictly, giving immediate assurance to this Ministry.

I send together with ~~them~~^{present} communication the map of the military highways in Region 2a.

The Director General

HEADQUARTERS ALLIED CONTROL COMMISSION
APO 394

KCW/hd

*File
No answer
Italian Govt to get the info
itself*

SUBJECT: Information.

TO : Director, PW & U Sub-Commission, Allied Control Commission.

FROM : Major Wilson, Advanced Post, Allied Control Commission.

REF : PW & U/28

DATE : 31 December 1943.

I am informed of a directive No. 96/1 from the Undersecretary PW Ministry, addressed to Direttore Generale Ministero, LL. PP. Ing. Dott. Comm. TIZANO CAMILLO and dated 17 December 1943, in which a Report by 31 January 1944 is called for from all Provinces, to include Communes, Municipalities, Townships, Villages, etc., on War Damage as at 31 December 1943.

The Report is to be set out under the following headings:

I. BUILDINGS.

- (1) Destroyed.
- (2) Needing considerable repair.
- (3) Readily repairable.

Details must show in each case:

- (a) Materials required.
- (b) Difficulties of supply.
- (c) In the cases of industrial buildings the maintenance material requirements.

The Report must show totals and sub-totals for:

- (a) Industrial buildings.
- (b) State and Public buildings.

II. ROAD BRIDGES.

National, Provincial, or Municipal, with estimates of cost and materials needed. Those already repaired must be included, with indications whether the repair is temporary or a permanent re-instatement.

III. ACQUEDUCTS.

Showing position and extent of damage and whether repaired temporarily or otherwise.

Reports as above are to be rendered monthly beginning at the end of January 1944. Instructions are to be given to those Provinces not yet under Italian Government administration to forward these reports in order that ad-

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ministration may be unified when they come under the Government's control.

K. Wilson.

Major. RA
PW & U Sub-Commission

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MEETING WITH THE MINISTERFOR PUBLIC WORKS

PW & U/9

1. GENERAL

Further to my PW & U/1 para. II(iii) and footnote thereto, dated 26 Nov. 1943 I saw the Minister in Bari on 9 Dec. 1943, (accompanied by Major Capello as Interpreter), in order to elucidate the position between his Ministry and the Electrical Engineering Branch of Public Works. At a previous meeting we had been informed that this matter was to be a subject of discussion at a forthcoming Cabinet Meeting.

Signor De Caro (the PW Minister) is at present located with his staff in a suite of offices at Via Cognetti 36 Bari (Tel. R. 10019). We were received in the first place, by his private secretary, Lt Col. Pelli, Italian Air Force.

II. THE MOVE TO NAPLES AREA.

The Minister informed me that his staff was now complete to the scale mentioned in my PW & U/1 para. II(ii) and that he had been able to make satisfactory arrangements for adequate office accommodation in the Naples area.

Being, however, to the growth of his staff in Bari, he would now require two lorries for the move.

The Minister will have sent to us in the near future a memorandum showing the complete staff organization.

III. THE ELECTRICAL DEPARTMENT.

It has been decided that this Department shall be incorporated in the P.W. Ministry.

Signor Cenzato has been appointed as Technical Director of the Department and Councillor to the Minister.

It is understood that Signor Cenzato has recently visited the Director of the PW & U Sub-Commission in Palermo.

IV. GOVERNMENT FUNDS FOR RE-INSTALLMENT.

At a meeting of the Cabinet on 8 Dec 943 it was decided to create a fund of one thousand million lire to be devoted to P.W. of reinstallation.

Grants will be made to the A.A.S.S. for State Highways, to Provinces and Communes for smaller local roads and other public works and utilities.

Funds would also be available for private building works as well as for large works of re-construction.

V. RE-CONSTRUCTION BY MILITARY FORCES.

The Minister asked that he might be kept informed as to future programmes, and gave instances of road bridges which were being re-built by the Military Forces in Benevento and Campobasso.

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Without this information he finds great difficulty in planning his programme and assessing his requirements.

I informed him that I would make every endeavour to keep him informed and suggest that I contact the A.M.G. Regions with respect to this.

VI. OCCUPATION OF INDUSTRIAL PREMISES BY MILITARY FORCES.

The Minister mentioned that there were instances in the back areas of the occupation for other purposes of cement, and brick, and other works which could be put to production uses. He will give me a list of specific instances and I have undertaken to see if any representation can be made for their release.

VII. COAL POSITION.

The Minister stated that the figures of 40,000 tons for Southern Italy would prove inadequate. I informed him that this would be noted but that the requirements of our fighting forces were of paramount importance and that there was little hope of the position improving in the immediate future.

VIII. CONCLUSION.

The PW & U Sub-Commission will knowlege of the position as regards the Electrical Department of the Government.

The Finance Sub-Commission may be interested in The allocation of funds for public works and utilities.

It is suggested that I should maintain a close liaison with the Minister in the question of paras IV-V and that I shall be in a position to discuss the coal situation with Col Evans (Fuel) at my next meeting with him in a week's time.

The memoranda from the Minister mentioned in paras II and V will be forwarded when received.

Major RA
PW & U Sub-Commission

B:incisi
10 Dec. 1943

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HEADQUARTERS ALLIED CONTROL COMMISSION

KCW/arr

APO 394

24 January 1944

PW&M/46

Subject: Industrial Production

To: Director PW&M Sub-Commission
Headquarters, AMG

1. Attached copy of my memo PW&M/45 to the Economic & Administrative Section here is forwarded for your information. The letters amplify my Report PW&U/37 of 15 January 44.

2. Further to para VI of that report I have now been able to contact the RE Officer in the forward area concerned. He states that the Pescara line is down. The Supply to Lucera is probably part of the S.G.P.E. export to U.N.E.S. (Ref my PW&M/43 dated 21 Jan 44).

Richison

Major, R.A.
PW&M Sub-Commission.

1 Incl: above

*By Col Rhoads
To note this file
26/1*

*Sam.
file*

GER.

26/1 4249

HEADQUARTERS ALLIED CONTROL COMMISSION

APC 394

PWM/39

18 January 1944

Subject: Contacts with P.W. Ministry

To: Director PW & Mines Sub-Commission, HQ AMG

From: Major Wilson, Hq Allied Control Commission

Your ACC/101/PWM dated 11 January 44 only reached me today, and your previous communication (by "Fast Air Mail") took a similar period. In consequence, your memorandum places me in a position of considerable difficulty.

The orders given to me precluded reporting direct to you, and my reports therefore have been sent through normal channels here, although a great deal of their subject matter must be of information value to you. It would appear inevitable that the position in certain cases may have changed considerably since my report. This would seem to have been the case in regard to my remarks on "Road Maintenance" which reported the Minister's expressed difficulties at the time. I have always forwarded copies to you direct in order that you may have information with the least possible delay.

The new designation of your Sub-Commission is noted. The change had not previously been made known to me.

My notes on Lecce Lignite were a précis of correspondence between the Industry & Commerce Sub-Commission and the Fuel Sub-Commission (FLAMBO) and it was on behalf of the former that I mentioned the matter to the Minister.

Your remarks in para 1 have been noted. There is no misunderstanding here, that my note reported only a personal impression for which there was some substantiation.

M. Wilson

Major, RA

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LECCE GASWORKS

PW 00/8 35

GENERAL

Further to my PW & U/7 3/7 Dec 943 a visit was made to the Lecce Gasworks on 8 Dec 43. Comm. Dr. Ing. Pellegrino, the Director met me at the works; and after a tour of inspection we adjourned to his office in the town in order that he might show me his production figures dating back to 1937.

The Company is one of the group known as the Società Nazionale Gasmetrica, of Milan to which the Taranto Gasworks also belong. Signor Pellegrino informed me that the Group owes its inception to the Edison Electric Co. and that he expects to have to assist the Taranto works financially in essential repairs to their damaged property.

I was courteously received and given frank answers to my numerous questions. Long term records were shown to me in support of vital production figures.

2. DESCRIPTION OF THE WORKS.(1) Location & condition

The works are located 1/4 mile west of the Prefettura near the centre of the town. They are very small in extent and have incurred no damage.

(2) Description of Plant

This is all many years old. It consists of one oven only consuming 3.7 to 4.4 tons of coal daily (according to Season) and capable of producing 17000 c.m. metres of gas a day. The brickwork for a second oven has been built but in the pre-occupation period the parts failed to arrive from Milan. It will be constructed however from spare parts which are in stock at Taranto. 70% of the coal is collected as coke, but 20% is returned to the over, leaving a balance of 50% for sale outside. There are 4 Scrubbers, or washing units, one filter and 3 Compressors, passing the gas to 2 gasometers of 370 and 630 metres respectively. There is no by-product recovery other than a small quantity of tar, sale of which has been blocked by the Italian Government since the beginning of the war. It is interesting to note that the recovery of benzole is restricted by the Italian Govt. to those companies producing over 5000 c.m. metres of gas a day.

3. MONTHLY PRODUCTION FIGURES.

Production figures were verified from records going back to 1937. No material difference was found to exist between the day's and the pre-war figures, but it must be noted the minimum calorific value for gas fixed by the government at 4000 calories per c.m. metres has been during the war reduced to 2300 calories.

Average monthly figures are:-

INPUT

Coal	120 tons
Coke	24 "

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-2-

OUTPUT

Gas 1937/8 - 44,400 cu. metres or 178×10^6 cal. Min.
 1942/3 - 58,000 " " " 132×10^6 " "

Tar - A small quantity COKE 60 tons.

Note - These figures are based on the following normal attainments Gas per 100 Kilo of coal (1937/8 35.27 c. metres
 (1942/3 47-47 " "
 Coke from coal 70% (raised 28.6%
 for sale 71.4%

IV. COAL

(1) Type Before the war this was entirely Cardiff gas coal. This has been replaced by German coal, but the plant is too far differences in working to be detected from the production records.

(2) Present Stocks. These are stated to be 163.5 tons on 4 Dec 43. I inspected a stock pile (approx) 18 yds X 13 yds X 2 yds high which at 210 cu feet to 5 tons equals 250 tons. Signor Pellegrini's statement that he had sufficient stock to last 20 Jan 44 would seem to confirm that the latter figure is the more correct. There is a stock of 70 tons of Tar sale of which has been blocked by the Italian Government during the war and this has not yet been released.

V. DISTRIBUTION

GAS - Many flats and modern houses are only equipped with gas cooking apparatus. There were 1241 consumers on the books on 30 Nov 43, which figure shows no material change from that of 1939 owing to the government embargo on new subscribers.

COKE - This is supplied to 3 hospitals, (one of which is Military) and a number of laboratories.

VI. FINANCE

The position does not differ materially from that at Taranto with the exception that there is no war damage to re-insure. Coal from Milan (not paid yet) cost 280 lire/ton. Wages in Nov. were increased again by 70%.

The price of gas is regulated at 1.21 lire/c. metre. This figure differs from the 1.05 lire c/metre given for Taranto as the tax has been added. It represents the price to the consumer therefore.

It is interesting to note that prices for Water, Gas and electricity were fixed by the Government as far back as 1927. 4248

VII. CONCLUSION

The gasworks are in no critical position as regards coal supplies. Both Taranto and Lecce gasworks are under the same control, it is suggested therefore that their position should be considered together.

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Signor Pellegrino informed me that 300 tons of coal had been supplied by Allied Authorities to the Taranto gaskokks. The Commission has no knowledge of this transaction. Our Taranto has been asked to confirm if this was supplied from Admiralty or other similar sources.

Major R.A.
PW & U. Sub-Commission

Brindisi
8 Dec 1943

Subject: Information.

To: Director PW & U Sub-Commission, HQ, AMG.

From: Major K.C. Wilson, RA, Advanced Command Post, PW & U Sub-Commission, Allied Control Commission.

Ref: PW & U/20

Date: 26 December 1943

Enclosed are copies of letters and reports PW & U/14, 15, and 17. The occupation of industrial premises has been discussed with the Industry and Commerce Section here and between us we hope to solve the Minister's problem.

In addition, the following matters have arisen:-

(1) GLASS FOR BARI.

A request for the release and transportation of Window Glass in stock at Vietrie Sul Mare has been received from the PW Minister. I have replied that there is little hope of a successful application, but requesting information as to its distribution. The Industry & Commerce Section will then make application to the Allied Force Local Resources Board.

(2) COAL AT TARANTO GASWORKS.

In the course of my visits to gasworks at Taranto & Lecce, I ascertained that stocks were in excess of what they were reported to be. I am now informed that a stock of 300 tons of Italian coal en route to Messina was diverted to Taranto on the invasion of Sicily.

(3) FUEL (LIGNITE AT SPECCIA).

With Major Maskry, of the Industry & Commerce Sub-Commission, I am endeavouring to hasten the granting of a concession to work extensive Lignite deposits by the Soc Anon Escavazioni Miniere Salento Lecce on ground owned by themselves. Production is estimated at 300 tons a day. The matter has been taken up with Colonel Evans of the Fuel Sub-Commission. Unfortunately, the Coal Meeting could not take place this week, but full details have been handed to him.

(4) TIMBER REQUIREMENTS FOR REFUGEE HUTTED CAMP.

I have prepared a preliminary estimate of requirements for the Displaced Persons Sub-Commission.

(5) GLASS & CEMENT CONTAINERS.

Certain information with regard to materials and productive capacity of glass have been forwarded to Lt Col Reiter, Industrial Planning.

I am at present investigating on his behalf the possibility of producing cement bags or casks in Lecce Province. The position is not very hopeful.

Karlson

Major, RA
PW & U Sub-Commission

WATER SUPPLY - NAPLES

26 Jan 44

File 51

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1. The system is owned by the Societa' Appiedotte di Naples.
2. They have 100,000 service connections or meters in service, (each apartment is metered).
3. 70 communities, all small, outside of Naples, are served from the same source. Their consumption is approximately 35,000 cu. m. or 9,000,000 gals.
4. The average daily consumption for Naples is 100,000 cu. m., or 26,000,000 gals. The peak consumption on a summer day is 120,000 cu. m. or 34,000,000 gals. daily.
5. The average flow from the springs is 4,000 litres per second, or 10,000,000 gals per day. The lowest flow was 1,500 litres per second, or 11,000,000 gals per day in December 1943. Now it is 3,000 litres per second or 10,000,000 gals per day.
6. The water is tested daily by the Provincial authorities and is certified by the Water Company Engineer to be satisfactory. Attached is copy of report for 20 Dec 43 to 21 Jan 44 inclusive. Results indicate a safe drinking water.
7. A separate source of supply is maintained by the Water Company but owned by the City of Naples for municipal uses, such as fire protection, street cleaning etc. This source is located at springs near Tavernanova, about five miles from Naples.
8. The potable supply is taken from a group of springs located near St. Michele di Cerreto, southeast of Avellino (aqueduct elevation 1060) and is brought to Naples by means of an aqueduct about 45 miles long. The aqueduct runs by gravity to the low service reservoir at **Capodimonte** (capacity 21,000,000 gals, elevation 103 ft) and a branch splitting off at Jancello supplies the High Service Reservoir at Juncillo, (capacity 10,000,000 gals elevation 538 ft).
9. The Low Service Reservoir supplies all of down town Naples, and the low areas.
10. The High Service Reservoir supplies an intermediate pressure zone of the City as well as a number of communities outside.
11. A second Low Service Reservoir (capacity 3,000,000 gals, elevation 390 ft) is located in the eastern part of Naples and serves as an equalizing reservoir in conjunction with the High Level Reservoir at Juncillo.

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- 2 -

12. Two pump stations, with four sets of pumps, one station located at Arenella and the other at Antignano, serve as pressure booster stations to supply three reservoirs, one located west of S. Giacomo dei Capri (capacity 264,000 gals, elevation 975 ft) and the other two at Castle St Elmo, one with a capacity of 17,000 gals, elevation 610 ft, and the other with a capacity of 1,000,000 gals at elevation of 721 ft. These reservoirs serve limited high level areas inside and outside the City of Naples in the northwest section. The accompanying map illustrates the approximate limits of the various pressure service areas.
13. The yield from the Sarno Springs in November and December 1941 was the lowest in 100 years necessitating throttling of the pressure and usage of potable water for extended periods. Since that time the yield has increased 10% which has been more than sufficient for all needs. However, last week it was necessary to again reduce water consumption because of extraordinary demands made by shipping.
14. Yesterday and today there has been more than sufficient water coming from the **source** to meet present requirements.
15. Control of consumption on such occasions when the demands are too great is accomplished by individual valves located at strategic points throughout the distribution system.
16. Such control, it is admitted, may permit of emptying of smaller distribution mains at times of heavy draft, or in cases where valves are throttled down too much, under which conditions the possibility of contamination from outside sources due to absence of pressure, or presence of vacuum inside the mains, is enhanced.
17. Conclusions.
From a study of the available data and as the result of two conferences with Mr. Betta, Engineer for the Water Company, it is concluded that there is great possibility that contamination may take place in various areas of the city, where the water supply is controlled by the manipulation of valves and that bacteriological studies of samples of water collected from such areas at the proper times would develop what if any pollution may exist as the result.

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12
C O P Y

REPORT OF THE "SOCIETA' LUCANA PER IMPRESE IDROELETTRICHE"

Answering the letter from Nov. 21st, we give you the news and explanations asked for.

The "Società Lucana per Imprese Idroelettriche" having seat in NAPLES and management in POTENZA, is chiefly a Society distributing electrical energy.

In fact, even owning some little electric stations, it derives electrical energy essentially from the "Società Meridionale di Eletticità". The net of high tension, starting from PERTOSA, extends for 1.600 kms on a territory embracing the Provinces of POTENZA and MATERA, partly those of SALERNO and BARI, and a few centres in the Prov. of TARANTO.

The towns served are 153, of which 73 in the Prov. of POTENZA. The industries provided with, are in a great part: Mills, Paste-Manu factories ? (pastifici), Saw-Works and Oil-Mills.

The damages caused by the last war-events in the Prov. of POTENZA are: ()

- (a) Many damages to the lines A.T., consisting essentially in the breaking of conductors, and the throwing down of props;
 - (b) Damages to the cable-huts of transformation, and to some buildings destroyed partly or totally, together with the lighting appliances;
 - (c) Two hydroelectric stations put out for use because sections of conduits have been blown up;
 - (d) Damages to the offices of POTENZA, with theft of tools, motorcars and various material; ²
 - (e) Destruction of the offices of PERTICARA CORLETO ¹
 - (f) Damages to our social buildings, to be used as employees houses.
- The lines A.T. have been mended our own means; the cable-huts are going to be repaired so as the damaged buildings. The ones destroyed are substituted by movable cable-huts or by other buildings. As for the two electric stations, the repairs of the walls have begun; to the conduits it will be provided with materials given by other Societies, waiting for the possibility of getting other materials. At present it is impossible to find them, owing to the war-events.

Potenza, the 1st of December 43.

C O P YO G G E T T OAUTONOMOUS SOCIETY OF THE PUGLIESE AQUEDUCT

A g r i, B a s e n t o, C a r a m o l a A Q U E D U C T S .

Service - Roads .

Potenza, the 20th of Nov. 1943

For the installation of the three Aqueducts conduits, many of which have a Diameter of even 450 mm., and for the maintenance of these Aqueducts, some Service Roads have been created to be used for the ordinary communications. These Service Roads, begun with modest means of working, need integrative works, suitable to strengthen the gravelling so to render them usable for any weather.

The Service Roads, in the Province, are:

AGRI AQUEDUCT.

1)	PATERNO - OSCURIELLO Sources	Kms. 4,500
2)	Lifted ground of PATERNO	" 5,000
3)	PEDALE, BARRICELLE, MARSICOVETERE	" 5,000
4)	Free Water Source of MARSICOVETERE	" 5,000
5)	Free Water Source of Viaggiano	" 5,000
6)	Free Water Source of ARMENTO	" 5,000
7)	MADONNA della STELLA - MADONNA - PERGAMO	" 19,000

Amount Kms.

46,500

BASENTO AQUEDUCT.

State N° 92 (GALLITELLO)	Fossa-Cupa Sources	Kms. 24,000
State N° 7 (BETLEMME)	State N° 7 (Tiera Bridge)	" 8,000
State N° 7 (TIERA BRIDGE)	Three Divisor SERRA DI VAGLIO	" 9,800

Amount Kms.

42,800

CARAMOLA AQUEDUCT

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Amount Kms.

42,800

CARAMOLA AQUEDUCT

It has no Service Roads.

BARI, the 16th of November 1943

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C O P YO G G E T T O

AGRI AQUEDUCT

The Aqueduct has been built by the State, to enforce the laws: 31st of March 1904 N° 140 and 8th of May 1924 N° 1021 to furnish with drinkable water 32 villages of Lucania, 10 of which in the Province of Potenza, and 22 in the Prov. of MATERA. The villages in the Province of POTENZA and the quantities of water allowed them are:

	lrs. 0,15 every sec.min.
1) PEDALE (hamlet of MARSICOVETERE)	" 1,30 "
2) SPINOSO	" 1,40 "
3) ARMENTO	" 1,00 "
4) S.MARTINO D'AGRI	" 0,95 "
5) GALLICCHIO	" 0,65 "
6) MISSANELLO	" 0,15 "
7) ORSOLEO (center of S.Arcangelo)	" 3,60 "
8) S.ARCANGELO	" 0,95 "
9) GUARDIA PERTICARA	" 3,70 "
10) CORLETO PERTICARA	" "

TOTAL .. lrs.11,85

The population served by this Aqueduct is of about 20.000 persons. Are equally served by this water some water-cranes of the "State Railways" and the "CALABRO LUCANE RAILWAYS". The sources, called Oscuriello, which supply the Aqueducts, spring near MARSICO-NUOVO from the sud-est side of the "MONTE-AMOROSO" at a height between 900 and 940 metres. The medium discharge of the water is about 100 metres everysecond minute.

All the waters are conveyed to an only outlet placed at a height of 909mrs, excepted a source called "low", whose waters - which have an integrative function when the others are dry,- are immitted in the said outlet through a heightened installation.

The chief adducer long kms.135 is built in cast-iron steel, reinforced cement and asbestos cement, and its first section long kms 49,400 is in the Province of Potenza. From this adducer proceed three bifucations: one in steel long kms 8,700 towards S.MARTINO d'AGRI, with a sub-bifurcation towards SPINOSO; one in steel long kms 22,220 towards S.ARCANGELO with sub-bifurcations towards GALLICCHIO, MISSANELLO, ORSOLEO, besides those towards ALIANELLO and ALIANELLO-NUOVO in the Prov. of MATERA; one in steel long kms 0,878 towards

2) SPINOSO	1,30	"	"	"
3) ARMENTO	1,40	"	"	"
4) S.MARTINO D'AGRI	1,00	"	"	"
5) GALLICCHIO	0,95	"	"	"
6) MISSANELLO	0,65	"	"	"
7) ORSOLEO (center of S.Arcangelo)	0,15	"	"	"
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A little after the beginning there is a bifurcation towards PEDALE. The villages of S.MARTINO d'AGRI, GALLICCHIO, MISSANELLO, S.ARCANGELO, GUARDIA-PERTICARA, and CORLETO-PERTICARA are provided with cisterns. Along the chief adducer there are also the spare cisterns at the beginning (cm 1500), the gallery-cistern of VIGGIANO (cm 400), and of MADONNA della STELLA (cm 1500). By the law 28th of May 1942 the task assigned to the Autonomous Society of the Pugliese Aqueduct have been enlarged to the AGRI Aqueduct. The management of the Aqueduct on the part of the Society began on the 20th of December 1942.

1) During the last events of this war no serious damages were accused,

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except in the town net of Corlet Perticara that was interrupted in many a place in consequence of raids and artillery fire. Even the ad-
ducer of this little aqueduct was damaged for a length of about 40 metres.

2) The repairs began soon after the hostilities stopped, were finished within the 30th of September, notwithstanding the needful materials had to be transferred from the depot of Madonna della Stella two kilometres far. it is be remarked that, during the hostilities no interruption has occurred on the distribution of water, to nuclei of the village of Corleto as in the other villages of the Province that received water from the Agri Aqueduct.

BASENTO AQUEDUCT

The Basento Aqueduct has been built by the state to enforce the law 31th March 1940 N° 140 and 8th May 1924. It is originated from the captatino of 30 douches being in the land of Abriola and Sasso Castaldo, which spring in the chief side of the "Monte Arioso" these sources are tied by a collecting barrel placed at the height of M.1150 above sea level about 13 Kms. towards S.O. of Potenza.

The total discharge of them varies from 60 120 litres per second. This aqueduct is employed to furnish with drinking water 14 chief places and 15 other villages of which in the province of Potenza are those of:

	Lts.	36,50 every Sec.
1) Potenza	"	1,65 per sec.
2) Vaglio Lucano	"	4,05 "
3) Pietragalla	"	2,05 "
4) Cancellara	"	2,85 "
5) Oppido Lucano	"	0,20 "
6) Acerenza	"	3,50 "
7) Acerenza (village)	"	0,10 "
8) Piano Burgese	"	4,50 "
9) Forenza	"	2,35 "
10) Maschito	"	0,10 "
11) Masseria Panni	"	"

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11) Masseria Panni	"	0,10 " "
12) Paggano	"	0,10 " "
13) Masseria Catalano	"	0,10 " "
14) Fontanina SSSS N° 96	"	2,90 " "
15) Tolve	"	0,10 " "
16) Cantoniara Capolicchio	"	0,10 " "
17) S.Chirco Nuovo	"	1,65 " "
18) Albano di Lucania	"	1,70 " "
19) Piano Arena	"	0,10 " "
20) Campomaggiore	"	1,35 " "
21) Castelmezzano	"	1,90 " "
22) Pietrapertosa	"	1,90 " "

The population of the province of Potenza is of about 70000 inhabitants. The adducer is a chief conduit long Kms. 24700 that goes from the collecting barrel to the three divisor of Vaglio. This conduit has

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two biforcations one long Kms. 15766 that reaches the detector of Forenza-Maschito, and a seconde one that goes as far as the divisor of Monte La Pila, this last one long Kms. 16775. Both the biforcation are in the Province of Potenza, except for the last section (long Kms.) of the second branching which enters the Province of Matera.

From the chief conduit and its two biforcations ten branchings derive nine of which concern this Province.

A) Branching for the town of Potenza, that takes its rise at the chief conduit's progressive long Kms. 10534 and ends in a cistern of 1500 CM. From the cistern derives a conduit towards Potenza, long Kms. 4,500.

B) id. divisor of Vaglio 1,330 Kms. long.

C) id. divisor of Piano Carletta cistern of Pietragalla 2,482 Kms. long.

D) id. divisor of Monte La Guardia divisor of Genzano-Banzi 9,905 Kms. long of which Kms. 7,5 from the beginning of the Prov. of Potenza.

E) id. divisor of Piano Carletta-Cancellara, cistern of Oppido Kms. 10.

F) id. divisor of Monte La Guardia-Forenza cistern of Maschito 16 Kms.

G) id. divisor of Pagano cistern of Tolve 6,782 Kms.

H) id. gallery cistern of Cupolicchio-Campomaggiore. Installation of Pietragalla with sub-biforcations towards Albano di Lucania (1,190 Kms.) and towards Castelmezzano (1,345 Kms.)

I) id. Divisor of Monte La Pila-S. Chirico Novo cistern of Irsina Km. 23,905.

All the 14 villages are provided with cisterns. There are besides the spare-cistern of Spicchio di Franca on the North branching of 1500 cm. and the gallery cistern of Cupolicchio on the south branching between the progressive Km. 13,466 and Km. 13,828 long of cm. 1,000. By the law of May 28, 1924, N° 664 the tasks assigned the Autonomous Society of the Pugliese Aqueduct have been enlarged to the Basento Aqueduct. The management of the Aqueduct on the part of the Society began on the 20th of December 1942 except for the town of Potenza, as the municipality thought to have to be reimbursed by the State of the management rents of the town aqueduct, that the municipality would miss in consequence of the change of management.

Of the Potenza sewerage the Society manages only the purifying installation for the sewerage waters built by the State and ceded to the Society.

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Of the Potenza sewerage the Society manages only the purifying installation for the sewerage waters built by the State and ceded to the Society.

1) The raids endured among the 8th and the 18th of September have struck the chief conduit near the town of Potenza in the sections between the pr. 13,450 and 14,000 where the diameter is mm.300 large and also the north branching corresponding with the prog.13,000 where the diameter is mm.150 large short of the town of Acerenza. The chief points were overturned and the pipes broken with ensuing complete interruptions of flow for the villages in the valley.

The service road Sources Fossa Gupa is damaged in several places. Besides that gearings were destroyed by German troops who also interrupted the telephone line Venosa-Potenza taking away whole spans of wire.

2) Repairing works would begin only on the 18th of September as the hostilities were going on and they finished on the 5th of October.

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- 4 -

These works were made mobilizing men means of the near villages with no or little difficult, as there was still a dangerous situation and at the works places many unexploded gears. As had been struck also the old conduit of the aqueduct of Potenza all the towns served by this aqueduct were to be furnished with the only town cisterns and with the spare cisterns of Spicchio ai Franca and Cupolicchio but these quantities of water shared with suitable shrewdness have been sufficient to avoid to the population a real discomfort.

On the 5th of October the regular service was reinstated every where. in a short time also the measuring instruments and the telephone line were mended.

CARAMOLA AQUEDUCT

The Caramola Aqueduct was built by the State, to enforce the laws: 31st March 1904, N°104 and 8th of May 1924, N°1021, to furnish WITH DRINKING WATER 7 villages of Lucania among which are in the Prov. of Potenza the following ones:

1) Francavilla sul Sinni	1. 1,83 per minute
2) Chiaramonte	" 1,39 "
3) Senise	" 2,73 "

The population served by this Aqueduct is of about 15000 inhabitants. The 22 sources captated for the aqueduct spring on the North side of Monte Caramola near Francavilla sul Sinni at different height among m.1060 and m.1310 on the sea level.

Only 19 of them have been connected and they end to a gully of collection placed at a height of 1125 meters. The discharge of the collected sources varies from a minimum of 7 liters to a maximum that goes beyond 20 liters every second. This adducer extends for 44,375 kilos as far as the cistern of Rotondella but is in the Prov. of Potenza only during a section 27 Kms. long as far as the stream Parmento. Along this section the diameters vary from mm.150 to mm.80 and it is done mostly in steel only for a little part in cast

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Short branchings detached themselves from the adducer as far as the cisterns of Francavilla, Chiaramonte, and Senise. By the law 28th of May 1942 N°664 the tasks assigned to the Autonomous Society of Pugliese Aqueduct have been enlarged to the Caramola aqueduct. The aqueduct management on the part of the Society began only on the 23th of October 1943. The aqueduct had no damages from war events.

BARI, 16th of November 1943

4230

6.
- U P Y

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The "Societa' Lucana per Imprese Idroelettriche" having seat in NAPLES and management in POTENZA, is chiefly a Society distributing electrical energy.

In fact, even owning some little electric stations, it derives electrical energy essentially from the "Societa' Meridionale di Eletticità". The net of high tension, starting from PERTOSA, extends for 1.600 kms on a territory embracing the Provinces of POTENZA and MATERA, partly those of SALERNO and BARI, and a few centres in the Prov. of TARANTO.

The towns served are 153, of which 73 in the Prov. of POTENZA.

The industries provided with, are in a great part: Mills, Paste-Mand factories ? (pastifici), Saw-Works and Oil-Mills.

The damages caused by the last war-events in the Prov. of POTENZA are:

- (a) Many damages to the lines A.T., consisting essentially in the breaking of conductors, and the throwing down of props;
 - (b) Damages to the cable-huts of transformation, and to some buildings destroyed partly or totally, together with the lighting appliances;
 - (c) Two hydroelectric stations put out for use because sections of conduits have been blown up;
 - (d) Damages to the offices of POTENZA, with theft of tools, motorcars and various material;
 - (e) Destruction of the offices of PERTICARA CORLETO
 - (f) Damages to our social buildings, to be used as employees houses.
- The lines A.T. have been mended our own means; the cable-huts are going to be repaired so as the damaged buildings. The ones destroyed are substituted by movable cable-huts or by other buildings. As for the two electric stations, the repairs of the walls have begun; to the conduits it will be provided with materials given by other Societies, waiting for the possibility of getting other materials. At present it is impossible to find them, owing to the war-events.

Potenza, the 1st of December 43.

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Potenza, the 1st of December 43.

4234

COPY

OGGETTOAUTONOMOUS SOCIETY OF THE PUGLIESE AQUEDUCT

Agri, Basento, Caramola Aqueducts.

Service - Roads.

Potenza, the 20th of Nov. 1943

For the installation of the three Aqueducts conduits, many of which have a Diameter of even 450 mm., and for the maintenance of these Aqueducts, some Service Roads have been created to be used for the ordinary communications. These Service Roads, begun with modest means of working, need integrative works, suitable to strengthen the gravelling so to render them usable for any weather.

The Service Roads, in the Province, are:

AGRI AQUEDUCT.

1)	PATERNO - OSCURIELLO Sources	Kms. 4,500
2)	Lifted ground of PATERNO	" 5,000
3)	PEDALE, BARRIOELLE, MARSICOVERERE	" 5,000
4)	Free Water Source of MARSICOVERERE	" 5,000
5)	Free Water Source of Viggiano	" 5,000
6)	Free Water Source of ARMENTO	" 5,000
7)	MADONNA della STELLA - MADONNA - PERGAMO	" 19,000

Amount Kms.

46,500

BASENTO AQUEDUCT.

State N° 92 (GALLITELLO)	Fossa-Cupa Sources	Kms. 24,000
State N° 7 (BETTEMME)	State N° 7 (Tiera Bridge)	" 8,000
State N° 7 (TIERA BRIDGE)	Three Divisor	" 9,800
	SERRA DI VAGLIO	

Amount Kms.

42,800

CARAMOLA AQUEDUCT

It has no Service Roads.

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4)	Free Water Source of MARSICOVETERE	" 5,000
5)	Free Water Source of Viggiano	" 5,000
6)	Free Water Source of ARMENTO	" 5,000
7)	MADONNA della STELLA - MALONNA - PERGAMO	" 19,000

Amount Kms.

46,500

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Amount Kms.

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CARAMOLA AQUEDUCT

It has no Service Roads.

BARI, the 16th of November 1943

423

COPY

O G G E T T O

AGRI AQUEDUCT

The Aqueduct has been built by the State, to enforce the laws: 31st of March 1904 N° 140 and 8th of May 1924 N° 1021 to furnish with drinkable water 32 villages of Lucania, 10 of which in the Province of Potenza, and 22 in the Prov. of MATERA. The villages in the Province of POTENZA and the quantities of water allowed them are:

	lrs. 0,15 every sec.min.
1) PEDALE (hamlet of MARSICOVERE)	" 1,30 "
2) SPINOSO	" 1,40 "
3) ARMENTO	" 1,00 "
4) S.MARTINO D'AGRI	" 0,95 "
5) GALLICCHIO	" 0,65 "
6) MISSANELLO	" 0,15 "
7) ORSOLEO (center of S.Arcangelo)	" 3,60 "
8) S.ARCANGELO	" 0,95 "
9) GUARDIA PERTICARA	" 3,70 "
10) CORLETO PERTICARA	" "

TOTAL .. lrs.11,85

The population served by this Aqueduct is of about 20.000 persons. Are equally served by this water some water-cranes of the "State Railways" and the "CALABRO LUCANE RAILWAYS". The sources, called Oscuriello, which supply the Aqueducts, spring near MARSICO-NUOVO from the sud-west side of the "MONTE-AMOROSO" at a height between 900 and 940 metres. The medium discharge of the water is about 100 metres everysecond minute.

All the waters are conveyed to an only outlet placed at a height of 909mrs, excepted a source called "low", whose waters - which have an integrative function when the others are dry, - are imitted in the said outlet through a heightened installation.

The chief adducer long kms.135 is built in cast-iron steel, reinforced cement and asbestos cement, and its first section long kms 49,400 is in the Province of Potenza. From this adducer proceed three bifucations: one in steel long kms 8,700 towards S.MARTINO d'AGRI, with a sub-bifurcation towards SPINOSO; one in steel long kms 22,220 towards S.ARCANGELO with sub-bifurcations towards GALLICCHIO, MISSANELLO, ORSOLEO, besides those towards ALLIANELLO and ALLIANELLO-NUOVO in the Prov.of MATERA; one in steel long kms.0,878 CORLETO

2) SPINOSO	"	1,30
3) ARMENTO	"	1,40
4) S.MARTINO D'AGRI	"	1,00
5) GALLICCHIO	"	0,95
6) MISSANELLO	"	0,65
7) ORSOLEO (center of S.Arcangelo)	"	0,15
8) S.ARCANGELO	"	3,60
9) GUARDIA PERTICARA	"	0,95
10) CORLETO PERTICARA	"	3,70

TOTAL .. lrs.11,85

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A little after the beginning there is a bifurcation towards FEDALE. The villages of S.MARTINO d'AGRI, GALLICCHIO, MISSANELLO, S.ARCANGELO, GUARDIA-PERTICARA, and CORLETO-PERTICARA are provided with cisterns. Along the chief adducer there are also the spare cisterns at the beginning (cm 1500), the gallery-cistern of VIGLIANO (cm 400), and of MADONNA della STELLA (cm 1500). By the law 28th of May 1942 the task assigned to the Autonomous Society of the Pugliese Aqueduct have been enlarged to the AGRI Aqueduct. The management of the Aqueduct on the part of the Society began on the 20th of December 1942.

1) During the last events of this war no serious damages were accused,

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- 2 -

except in the town net of Corlet Perticara that was interrupted in many a place in consequence of raids and artillery fire. Even the ad-
ducer of this little aqueduct was damaged for a length of about 40 metres.

2) The repairs began soon after the hostilities stopped, were finished within the 30th of Septembre, notwithstanding the needful materials had to be transferred from the depot of Madonna della Stella two kilo-
metres far. It is be remarked that, during the hostilities no inter-
ruption has occurred on the distribution of water, to nuclei of the village of Corlete as in the other villages of the Province that recei-
ved water from the Agri Aqueduct.

BASENTO AQUEDUCT.

The Basento Aqueduct has been built by the state to enforce the law 31th March 1940 N° 140 and 8th May 1924. It is originated from the captatino of 30 douces being in the land of Abriola and Sasso Castaldo, which spring in the chief side of the "Monte Arioso" these sources are tied by a collecting barrel placed at the height of M.1150 above sea level about 13 Kms. towards S.O. of Potenza.

The total discharge of them varies from 60 120 litres per second. This aqueduct is employed to furnish with drinking water 14 chief places and 15 other villages of which in the province of Potenza are those of:

	Lts.	36,50 every Sec.
1) Potenza	"	1,65 per sec.
2) Vaglio Lucano	"	4,05 "
3) Pietragalla	"	2,05 "
4) Cancellara	"	2,85 "
5) Oppido Lucano	"	0,20 "
6) Acerenza	"	3,50 "
7) Acerenza (village)	"	0,10 "
8) Piano Burgese	"	4,50 "
9) Forenza	"	2,35 "
10) Maschito	"	0,10 "
11) Masseria Panni	"	0,10 "
12) Pagano	"	0,10 "
13) Masseria Catalano	"	0,10 "
14) Pentanina SSSS N° 96	"	0,10 "

ruption has occurred on the distribution of water, to nuclei of the village of Corleto as in the other villages of the Province that received water from the Agri Aqueduct.

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8) Piano Burgese	"	4,50 "
9) Forenza	"	2,35 "
10) Maschio	"	0,10 "
11) Masseria Panni	"	0,10 "
12) Passano	"	0,10 "
13) Masseria Catalano	"	0,10 "
14) Fontanina SSSS N° 96	"	0,10 "
15) Tolve	"	2,90 "
16) Cantoniera Capolicchio	"	0,10 "
17) S. Chirco Nuovo	"	1,65 "
18) Albano di Lucania	"	1,70 "
19) Piano Arena	"	0,10 "
20) Campomaggiore	"	1,35 "
21) Castelmezzano	"	1,90 "
22) Pietrapertosa	"	1,90 "

The population of the province of Potenza is of about 70000 inhabitants. The adducer is a chief conduit long Kms. 24700 that goes from the collecting barrel to the three divisor of Vaglio. This conduit has

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two biforcations one long Kms. 15/66 that reaches the detector of Forenza-Maschito, and a seconde one that goes as far as the divisor of Monte La Pila, this last one long Kms. 16/75. Both the biforcation are in the Province of Potenza, except for the last section (long Kms.) of the second branching which enters the Province of Matera.

From the chief conduit and its two biforcations ten branchings derive nine of which concern this Province.

A) Branching for the town of Potenza, that takes its rise at the chief conduit's progressive long Kms. 10534 and ends in a cistern of 1500 CM. From the cistern derives a conduit towards Potenza, long Kms. 4,500.

B) id. divisor of Vaglio 1,330 Kms. long.

C) id. divisor of Piano Carletta cistern of Pietragalla 2,482 Kms. long.

D) id. divisor of Monte La Guardia divisor of Genzano-Banzi 9,905 Kms. long of which Kms. 7,5 from the beginning of the Prov. of Potenza.

E) id. divisor of Piano Carletta-Cancellara, cistern of Oppido Kms. 10.

F) id. divisor of Monte La Guardia-Forenza cistern of Maschito 16 Kms.

G) id. divisor of Pagano cistern of Tolve 6,782 Kms.

H) id. gallery cistern of Cupolicchio-Campomaggiore. Installation of Pietragalla with sub-biforcations towards Albano di Lucania (1,190 Kms.) and towards Castelmezzano (1,345 Kms.)

I) id. Divisor of Monte La Pila-S. Chirico Novo cistern of Irsina Km. 23,905.

All the 14 villages are provided with cisterns. There are besides the spare-cistern of Spicchio di Franca on the North branching of 1500 cm. and the gallery cistern of Cupolicchio on the south branching between the progressive Km. 13,466 and Km. 13,828 long of cm. 1,000. By the law of May 28, 1924, n° 564 the tasks assigned to the Autonomous Society of the Pugliese Aqueduct have been enlarged to the Basento Aqueduct. The management of the Aqueduct on the part of the Society began on the 20th of December 1942 except for the town of Potenza, as the municipality thought to have to be reimbursed by the State of the management rents of the town aqueduct, that the municipality would miss in consequence of the change of management.

Of the Potenza sewerage the Society manages only the purifying installation for the sewerage waters built by the State and ceded to

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 - D) id. divisor of Monte La Guardia divisor of Genzano-Banzi 9,905 Kms. long of which Kms. 7,5 from the beginning of the Prov. of Potenza.
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 - F) id. divisor of Monte La Guardia-Forenza cistern of Meschito 16 Kms.
 - G) id. divisor of Pagano cistern of Tolve 6,732 Kms.
 - H) id. gallery cistern of Cupolicchio-Campomaggiore. Installation of Pietragalla with sub-biforcations towards Albano di Lucania (1,130 Kms.) and towards Castelmezzano (1,345 Kms.)
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Of the Potenza sewerage the Society manages only the purifying installation for the sewerage waters built by the State and ceded to the Society.

1) The raids endured among the 8th and the 18th of September have struck the chief conduit near the town of Potenza in the sections between the pr. 13,450 and 14,000 where the diameter is mm. 300 large and also the north branching corresponding with the pr. 13,000 where the diameter is mm. 150 large short of the town of Acerenza. The chief points were overturned and the pipes broken with ensuing complete interruptions of flow for the villages in the valley.

The service road Sources Fossa Cupa is damaged in several places. Besides that gearings were destroyed by German troops who also interrupted the telephone line Venosa-Potenza taking away whole spans of wire.

2) Repairing works could begin only on the 18th of September as the hostilities were going on and they finished on the 5th of October.

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These works were made mobilizing men means of the near villages with no or little difficult, as there was still a dangerous situation and at the works places many unexploded gears. As had been struck also the old conduit of the aqueduct of Potenza all the towns served by this aqueduct were to be furnished with the only town cisterns and with the spare cisterns of Spicchio di Francia and Cupolicchio but these quantities of water shared with suitable shrewdness have been sufficient to avoid to the population a real discomfort.

On the 5th of October the regular service was reinstated every where. in a short time also the measuring instruments and the telephone line were mended.

CARAMOLA AQUEDUCT

The Caramola Aqueduct was built by the State, to enforce the laws: 1st March 1904, N°104 and 8th of May 1924, N°1021, to furnish WITH DRINKING WATER 7 villages of Lucania among which are in the Prov. of Potenza the following ones:

1) Francavilla sul Sinni	1. 1,83 per minute
2) Chieramonte	" 1,39 "
3) Senise	" 2,73 "

The population served by this Aqueduct is of about 15000 inhabitants. The 22 sources captated for the aqueduct spring on the North side of Monte Caramola near Francavilla sul Sinni at different height among m.1060 and m.1310 on the sea level.

Only 19 of them have been connected and they end to a gully of collection placed at a height of 1125 meters. The discharge of the collected sources varies from a minimum of 7 liters to a maximum that goes beyond 20 liters every second. This adducer extends for 44,375 kilos as far as the cistern of Notonella but is in the Prov. of Potenza only during a section 27 Kms. long as far as the stream Parmento. Along this section the diameters vary from mm.150 to mm.80 and it is done mostly in steel only for a little part in cast iron.

Short branchings detached themselves from the adducer as far as the cisterns of Francavilla, Chieramonte, and Senise. By the law 28th of May 1942 N°664 the tasks assigned to the Autonomous Society

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Short branchings detached themselves from the adducer as far as the cisterns of Francavilla, Chiaromonte, and Genise. By the law 28th of May 1942 N°664 the tasks assigned to the Autonomous Society of Pugliese Aqueduct have been enlarged to the Caramola aqueduct. The aqueduct management on the part of the Society began only on the 23th of October 1943. The aqueduct had no damages from war events.

BARI, 16th of November 1943

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1000T/10050/TCU

Work Assignment Memo re Msg. NR7564.

Chief Utilities Section, TC & U Div.

18 Oct. 3

1. AFHQ, by radio, has requested technical reports, with respect to public utilities (electric, gas and water) in Sicily, be submitted showing:

- a. Extent and types of utilities.
- b. Degree destruction thereof.
- c. Extent to which it has been possible to restore skeleton local emergency services by cannibalization of local resources alone.

2. Example: What percentage of the various utilities has it been possible to put back in service?

3. Information from requested reports to be used in "planning";

4. It is requested that such reports be prepared as soon as possible from information available in Palermo.

LDD/tbw


L. D. DENSMORE,
Lt. Col., S.C.,
Director, Transportation,
Communications & Utilities.

4228

SECRET

CIPHER MESSAGE
INNO. 01475
15TH OCTOBER 43.

FROM : FREEDOM
TO : IBS FOR SEARS FOR AMG RPT FILPOT
ORIG NO. : 7564 CITE FMGC

TOO 1320A/15
THI NIL
TOR 2320A/15

TROOPERS REQUEST FULL TECHNICAL REPORTS FROM EXPERTS ON EXTENT AND TYPES
ITALIAN TRANSPORTATION, ROAD TRANSPORT, PUBLIC UTILITIES, AND
THE COMMUNICATIONS AND DEGREE OF DESTRUCTION THEREOF. RE THESE ARE GIVEN
78143 CAL3 12 OCTOBER. AND STATE WOULD BE OF GREAT VALUE IN PLANNING.
IN PARTICULAR INFORMATION REQUIRED ON EXTENT TO WHICH IT HAS BEEN POSSIBLE
TO RECOVER SERRANTON LOCAL EMERGENCY SERVICES BY CANAL ALLOCATION OF LOCAL
RESOURCES ALONE. FOR EXAMPLE, WHAT PERCENTAGE OF MECHANICAL TRANSPORT
IS AVAILABLE AS A UNIT IN SICILY AND IT IS POSSIBLE TO PUT BACK INTO
SERVICE. IT IS REALIZED THAT FIELD FORCES MUST COOPERATE OF COMPLETE
SURVEY IS TO BE MADE AND G4 THIS HQ IS BEING CONTACTED WITH THIS END IN
VIEW. PLEASE FORWARD REPORT IN QUADRUPLES TO THIS HQ WHEN COMPLETED.

SEC DISTRIBUTION

AMGOT

4 ACTION

EMC 0130A/16
T T 0150A/16 4227

151324A MSG NR 7564

RESTRICTED EDITION

IBS-1848

FROM: EISENHOWER

160845A

TO: CO, IES FOR AMGOT

Troopers request the following technical reports on extent and types of Italian transportation, Road Transport, Public Utilities, Telecommunications and degree of destruction thereof. State would be of great value in planning. In particular information required on extent to which it has been possible to restore skeleton local emergency service by cannibalization of local resources alone. For example; what percentage of mechanical transport in Naples area and in Sicily has it been possible to put back in service. It is realized that field forces must cooperate if complete survey is to be made. LQD G is sure this headquarters is being contacted with this end in view. Please forward report in quadruplicate to this headquarters when complete.

(TO IBS FOR SEARS FOR AMGOT REPEAT FILPORT SIGNED EISENHOWER
CITE FHMGs FOR TROOPERS CABLE 78148, 13 12 October)

DISTRIBUTION

AMGOT (ACTION)

Transp.

Ops & Sec

Sep Com

752

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(TO IBS FOR SEARS FOR AMGOT REPEAT FILPORT SIGNED EISENHOWER
CITE FHMS FOR TROOPERS CABLE 78148,13 12 October)

DISTRIBUTION

AMGOT (ACTION)

Transp.

Ops & Sec

Sep Com

PW & H. Sub Commissioner

Re adm.

① On 18 Oct a directive was issued ^{4225X}
"Utilities" section T 0914 Div Region I for report
as to "Public Utilities" Survey.

② No action has been taken as to
Region II.

③ No report has been sent AFHQ.

④ enroute

1174