

Declassified E.O. 12356 Section 3.3/NND No. 785015

ACC

10000/100/431

Declassified E.O. 12356 Section 3.3/NND No. 785015

10000/100/431

FUEL SUB-COMMISSION
SEPT. - NOV. 1943

20 pp

9.

Col. Rathbone.

Yes please. I have altered the paragraphs of page 2 of
9 B in consultation with Major Rivers. I think a proposal for
this sort will help great assistance to Regions.

R. H. Farnen.

7 Nov '43.

Col. Rathbone

10

Col. Farnen

Then will you please take action under
the new organization?

8 Nov 43

A. B. Rathbone
Col.

5435

See 2A. 10/15/10

① Fuel.

Please withdraw copy of 5B (3 photos) marked to you & pass file to Transportation A.C.

② Transportation

Please withdraw copy of 5B (3 photos) marked to you and exchange file to ETR.

to Dipulse (blue)
ETR Report

27 OCT.

File returned, copies withdrawn by 1.1 and 2.1
28 Oct. Closefile!

V

31 Oct.

Noted for necessary action to check fuel

VI

4 Oct.

- a) Could we be supplied with copy of 5B3!
ATCOT/1853/PS - of 15 boxes for our records.
- b) Is it possible to obtain for us copies of the four enclosures mentioned in para. 1.

to check fuel

785015

C 1165 for AC

Put on AC file

Ac 1180

RR-65b
CONFIDENTIAL

Copy No. 33

FOREIGN ECONOMIC ADMINISTRATION

OFFICE OF ECONOMIC WARFARE
Blockade and Supply Branch
Reoccupation Division

ITALIAN COAL REQUIREMENTS

CONFIDENTIAL

October 1943

5433

ITALIAN COAL REQUIREMENTS

Conclusions as to the amount of coal required to maintain a minimum of industrial activity can be reached only from a detailed study of the Italian economy - in particular of Italian industry ^{1/}. The effect on the various branches of the Italian economy of variations in amounts of coal available must also be considered. ^{2/} In addition, the possible contribution of the Italian economy to the most efficient prosecution of the war against Germany and Japan also must be weighed in estimating industrial requirements.

These factors have been taken into account in recommending that a minimum of 300,000 tons of coal per month be supplied for the entire country after occupation. The possible effects of widespread destruction of plants and equipment have not been taken into account here because the extent of the damage cannot be anticipated.

Production

Italian production of coal and lignite is far short-- both in amount and in quality--of the country's requirements. Italian coal is unsuitable for use in city gas works, for making metallurgical coke, and for many other industrial uses. The low fuel value of the lignite makes its transportation uneconomical beyond a limited distance from the mines. Production of coal and lignite in 1942 has been estimated at 580,000 tons a month--equivalent in terms of heating value to about 350,000 tons of imported coal. This peak wartime production can be reestablished during occupation only through import of equipment to replace that damaged or removed. But the poor quality of the domestic output would make coal imports essential, however large the production.

^{1/} Office of Economic Warfare, Evaluation of Italian Industries for Purposes of Reoccupation, Report No. RE-65, July 1943.

^{2/} Office of Economic Warfare, Allocation of Coal and Imported Materials of Italian Industries (Preliminary), Report No. RE-65a, July 1943.

Requirements and Allocations

The total Italian requirements and the breakdown among consumers have been the subject of preceding OEI reports. These reports take advantage of a detailed study of the coal consumption pattern of the country,^{1/} and of the specific industrial and other purposes for which coal has to be allocated. The purposes in turn are considered in terms of the priority ratings already adopted for each Italian industry.^{2/} The basis for the scheduling of future supply problems has been prepared showing the most efficient allocation of coal to the various consumers under three different conditions of availability of coal.^{3/} Each schedule represents a plan for utilization of the Italian industries in accordance with the same basic criteria. By comparing these various schedules, it is possible to ascertain how the various amounts of coal to be made available to the Italian economy would affect United Nations objectives in Italy. Taking into account these conclusions, the fact that shipping space is a limiting factor, and the fact that scarce coal will have to be supplied not only to Italy but to other liberated areas, the minimum requirement figure for Italy was set at 300,000 tons of coal per month; i.e., 3,600,000 tons per year.

This minimum requirement assumes a domestic production corresponding to about 4,200,000 tons of hard coal. The total amount of coal available would therefore be 7,800,000 tons.

A suggested schedule for the allocation of coal and coke, domestic and foreign, is shown in Table 1. The distinction between domestic and foreign coal is made because of the quality factor mentioned above. The tonnage of domestic coal shown is reduced to the equivalent fuel value of imported coal.

1/ See OEI Report No. EP-200A, Plant Inventory of Italy - Coal.

2/ See OEI Report No. RR-65, Evaluation of Italian Industries for Purposes of Reoccupation, especially pp. 34-37.

3/ See OEI Report No. RR-65A.

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TABLE 1
ITALY: COAL ALLOCATION

INDUSTRY	TOTAL COAL CONSUMPTION 1958	TOTAL WASTAGE CONSUMPTION 1958	SUGGESTED ALLOCATION				
			TOTAL (1)	DOMESTIC (2)	IMPORTS USED IN FORM OF: (3)	COKE (4)	COAL (5)
CHEMICAL NITROGEN	75	150	135	-	135	-	-
SOODA ASH	350	350	200	200	-	-	-
CARBIDE	75	150	45	-	45	-	-
COAL DISTILLATION	600	600	270	-	270	-	(1,080) ^{A/}
OVERSTUFFS	60	60	50	50	-	-	-
OTHER CHEMICALS	300	500	390	300	90	-	30
LEAD, ZINC AND ALLIED PRODUCTS	100	150	27.5	75	22.5	22.5	-
PIG IRON AND STEEL	1,210	1,420	650	260	390	390	-
ALUMINUM	100	150	100	100	-	-	-
CERAMICS	250	200	100	100	-	-	-
GLASS	200	150	95	50	45	-	45
CONCRETE	1,200	500	475	250	225	-	225
BRICKS	250	150	150	150	-	-	-
LIME	350	200	200	200	-	-	-
CELLULOSE & WOOD PULP	60	80	30	80	-	-	-
MECHANICAL	300	400	235	100	135	67.5	67.5
PAYON & ARTIFICIAL TEXTILES	375	600	150	150	-	-	-
SUGAR	175	200	200	200	-	-	-
FOOD	300	400	300	300	-	-	-
MISCELLANEOUS	1,425	2,060	922.5	495	427.5	90	247.5
STATE RAILROADS	1,810	1,400	1,100	200	900	-	900
PRIVATE RAILROADS	180	150	185	100	85	-	85
CITY GAS	495	450	360	-	360	360	(120) ^{A/}
THERMOELECTRIC PLANTS	600	600	200	200	-	-	-
DOMESTIC HEATING	1,500	500	370	300	270	270	-
BUNKER	1,000	500	450	300	150	-	150
TOTAL	13,500	12,500	7,800	3,200	4,600	1,080	1,520

^{A/} THIS FIGURE PRESENTS ONLY THE ACTUAL CONSUMPTION OF THE INDUSTRY. TOTAL FOR COL. (5). THE INDUSTRY WILL CONSUME 210 TONS OF TOTAL COAL INTAKE OF COAL DISTILLATION INDUSTRY, CORRESPONDING TO TOTAL FOR COL. (5). THE INDUSTRY WILL CONSUME 210 TONS OF THIS TOTAL, AS SHOWN IN COL. (5). AND WILL SUPPLY THE EQUIVALENT IN METALLURGICAL COKE, OF 110 TONS OF COAL TO OTHER INDUSTRIES IN AMOUNTS SHOWN IN COL. (5). THE FIGURE OF 1,080 TONS IS EXCLUDED FROM TOTAL FOR COL. (5) TO AVOID DOUBLE COUNTING.

^{B/} TOTAL COAL INTAKE OF GAS WORKS, CORRESPONDING TO TOTAL FOR COL. (5). THE INDUSTRY WILL CONSUME 360 TONS OF THIS TOTAL, AS SHOWN IN COL. (5). AND WILL SUPPLY THE EQUIVALENT IN 360 TONS OF COAL TO OTHER INDUSTRIES IN AMOUNTS SHOWN IN COL. (5). THE FIGURE OF 120 TONS IS EXCLUDED FROM TOTAL FOR COL. (5) TO AVOID DOUBLE COUNTING.

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10A

TO: MEMBERS - I. II. III. IV. V. VIII, and IX.
FROM: Fuel Sub-Commission A.C.
SUBJECT: Questionnaire.
REFERENCE: AC/1130.
DATE: 13 NOVEMBER 48.

1. Attached herewith is a questionnaire covering information which will eventually be of considerable assistance to the Fuel Sub-Commission. It is presumed that the Regions will be issuing their own questionnaire to their G.A.Cs., and it is suggested by the Sub-Commission that the points raised be included.
2. They are in possession of lists of refineries, coal mines, location of oil wells, etc., and if same have not been extracted by Regional officers from information in the Library they will be pleased to extract this for any particular region on request.
3. Regions are requested to forward their replies direct to A.C.C. Fuel Sub-Commission.

R. H. Farnham Bluel

R. H. FARNHAM.
COLONEL.
COMMANDANT.
ADMIN. HEADQUARTERS. A.M.C.A.C.

5430

DOMESTIC PETROLEUM SUPPLIES.

9B.

1. Wells actually in operation.
2. Test wells - any information obtainable as to result.
3. Estimated output over say the next three months, showing quantity of crude per week, per well, giving (a) Name and address of well.
(b) Owner and address.
(c) F.O.R. Station.
4. Where crude oil as per para 3 is at present being refined.

PETROLEUM GENERAL.

5. List of all refineries (including 4).
 - (a) Owner
 - (b) Location
 - (c) Amount of crude which can be expected weekly.
 - (d) Output per week under the various grades produced.
 - (e) Most suitable port for crude importation.
 - (f) Rail head for taking production.
 - (g) List of consumers to whom previously disposed.
6. Ports and their availability for unloading crude and/or refined products.
7. Information re rail tank-cars.
 - (a) Number available.
 - (b) Capacity.
 - (c) Rail gauge.
 - (d) Owner.
 - (e) Present location.
 - (f) Condition - if serviceable.
 - (g) Type of loading.
 - (h) Type of unloading.
 - (i) Type of braking - lever - wheel, etc.
8. Data re road tank trucks.
 - (a) Number available.
 - (b) Capacity
 - (c) State of tank and if more than one compartment.
 - (d) Whether contents drawn off or whether hand-pumped.
 - (e) Road worthiness of engine, tyres, etc.
 - (f) Left or right hand drive
 - (g) Fuel use and consumption - miles per gallon, etc.
 - (h) Valves

- 2 -

9. NATURAL GAS.

- (a) Which plants are working.
- (b) Which plants under construction and if completion date available with estimated production.
- (c) Output in cylinders per week.
- (d) Where disposing of cylinders at present.

10. CHARCOAL.

Information concerning local charcoal production for producer gas purposes. Note: This is generally produced under quite primitive conditions.

11. LIGNITE HYDROGENERATION. Which plants are working giving:

- (a) Owner.
- (b) Location.
- (c) Input of lignite.
- (d) Output.
- (e) What hydrogenerators are under construction, estimated date of completion and anticipated capacity.

12. COAL (covering Anthracite, Bituminous, lignite, etc.). Mines working giving:

- | | |
|---|---------------------------|
| (a) Weekly output. | (a) Moisture. |
| (b) Type of coal giving | (b) Ash. |
| | (c) Sulphur. |
| | (d) Calorific equivalent. |
| | (e) F.O.B. or F.O.B. |
| (c) Quantity consumed locally. | |
| (d) How consumed. | |
| (e) Any further information obtainable from owners. | |

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13. POWER.

What expansion of electric power is anticipated which will in due course release fuel for other purposes.

SUBJECT: Registration and Licensing of Motor Vehicles.

AMGOT/1850/PS

AMGOT H.Q. SICILY

15 October, 1943.

TO : S.C.A.O. Province of

General Order No. 9.

1. The following have today been forwarded under separate cover:

- copies of General Order No. 9;
- application forms for AMGOT motor vehicle permits;
- AMGOT motor vehicle permits (numbered);
- permit record cards.

Further supplies may be obtained from AMGOT H.Q. (Registration & Licensing) on request.

2. It is intended that no civilian motor vehicle shall be used on the road unless:

- (a) All taxes have been paid and the vehicle is licensed in accordance with existing Italian law;

M.5. The Italian agencies primarily concerned are:

- (i) Regia Automobili Cima d'Italia (R.A.C.I.);
- (ii) Ispettorato Generale della Motorizzazione Civile.

See H.Q. letter AMGOT/1850/PS dated 21 September, 1943

- (b) A permit covering its use has been issued by or under the authority of the S.C.A.O.

Cancellation of Existing Permits.

3. S.C.A.O.'s will publish local orders implementing General Order No. 9 and cancelling existing permits.

Issue of Permits.

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Further supplies may be obtained from AMOT H.Q. (Registration & Licensing) on request.

2. It is intended that no civilian motor vehicle shall be used on the road unless:

(c). All taxes have been paid and the vehicle is licensed in accordance with existing Italian law;

N.B. The Italian agencies primarily concerned are:

- (i) Reteli Automobili Club d'Italia (R.A.C.I.);
- (ii) Inspectorato Generale della Motorizzazione Civile.

See H.Q. letter AMOT/1650/PS dated 24 September, 1943

(b) A permit covering its use has been issued by or under the authority of the S.C.A.O.

Cancellation of Existing Permits.

3. S.C.A.O.'s will publish local orders implementing General Order No. 9 and cancelling existing permits.

Issue of Permits.

4. Applications for permits will be made on the forms provided which will be made available in each commune.

5. The forms will pass through C.A.O.'s to S.C.A.O.'s who will make such arrangements as to the issue of permits as will best meet local conditions.

6. It will be the responsibility of the S.C.A.O. to ensure that no permit is issued except in the case of a vehicle which is classified in paragraph 4 of appendix 'A' attached, and which is used for only the most essential purposes.

7. The permit and two record cards will be completed together by means of carbon paper.

The "permitted use of the vehicle" will be shown in English and Italian as far as possible.

One of the record cards will be retained for reference; the second

card

CR/2/m/235

card will be forwarded to A.M.O.T. H.Q. (Registration & Licensing) after the last day of each month, together with the covering report mentioned in paragraph 15.

Vehicles which the Property of A.M.O.T.

8. Vehicles which are the property of A.M.O.T. will carry permits which will be issued by A.M.O.T. H.Q., Public Safety Division (Registration & Licensing), in the case of headquarters vehicles, and A.C.A.O.'s in the case of provincial vehicles.

Validity of Permits.

9. All permits will expire on 31 December, 1943, or on such earlier date as may be decided upon in individual cases.

Charge of 50 lire.

10. A charge of 50 lire will be made for each permit issued, except in the following cases:-

- (a) Vehicles which are the property of A.M.O.T.;
- (b) Vehicles which are Italian state owned (fire, police, etc.) and are not subject to motor vehicle taxation.

The charge of 50 lire will be additional to any other charge which may be made in pursuance of above paragraph 2(a).

11. No refund will be made in respect of unexpired periods of a permit.

12. Duplicate permits will be charged for except when issued in the case of those vehicles mentioned in paragraph 10(a) and 10(b).

Duplicate permits will be so marked.

13. Separate instructions have to-day been issued by the Chief accountant with regard to the collection of these charges.

R.A.C.I.

14. R.A.C.I. will perform such functions in connection with the issue of permits, collection of charges, etc., as A.C.A.O.'s may direct.

Charge of 50 lire.

10. a charge of 50 lire will be made for each permit issued, except in the following cases:-

- (a) Vehicles which are the property of ADPOT;
(b) Vehicles which are Italian state owned (fire, police, etc.) and are not subject to motor vehicle taxation.

The charge of 50 lire will be additional to any other charge which may be made in pursuance of above paragraph 2(e).

11. No refund will be made in respect of unexpired periods of a permit.
12. Duplicate permits will be charged for except when issued in the case of those vehicles mentioned in paragraph 10(a) and 10(b).

Duplicate permits will be so marked.

13. Separate instructions have been issued by the Chief accountant with regard to the collection of these charges.

R.A.C.I.

14. R.A.C.I. will perform such functions in connection with the issue of permits, collection of charges, etc., as R.A.C.I.'s may direct.

R.A.C.I. (revenue) licences will be forwarded under separate cover in those cases in which a request for licences has been made.

Records.

15. Duplicate record cards mentioned in paragraph 7 will be forwarded as follows: R.A.C. Public Safety Division (Registration & Licensing) by the 5th of the month.

A covering report will be forwarded showing:

Month ending

- (a) Number of permits issued during the month;
(b) Number of original permits issued for which 50 lire was charged;
(c) Number of duplicate permits issued for which 50 lire was charged;
(d) Number of permits issued without charge (giving classification).

All permits will be accounted for.

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The first report and duplicate cards to be forwarded under these instructions will reach this H.Q. on 5 November, 1943.

Offences.

16. A person failing to surrender a permit as required will be dealt with under the General Order.
17. A close check must be kept on all motor vehicular traffic, and Provincial C.A.P.O.'s will instruct Provincial police authorities accordingly.

Rationing of Motor Fuel.

18. The rationing of motor fuel is dealt with in Appendix 'A' attached.

EMUEL L. BODLES
Colonel, Infantry,
Commissioner of Public Safety.

Distribution:-

All S.C.A.O.'s (2)
Agent Liaison, 15 Army Group
Region II
Region III
M.G.S. A.F.H.Q.
Heads of Divisions
Transport Officer (H)
Transport Officer (A)
File
Float
Spares (20)

5427

8B

APPENDIX "A"
 AMGOT/1853/PS
 AMGOT H.Q., SICILY
 14 October 1943

Subject: Fuel Rationing.

To : All S.C.A.O.'s.

1.

Until such time as the status of captured Italian military supplies is clarified, each applicant for petroleum products will apply monthly to the agency or individual which the S.C.A.O. of each province may designate for the purpose of passing petroleum applications. It is suggested that C.A.O.'s be made responsible for this task. Petroleum products will only be granted to the following

1. Vehicles.

- (a) Army and Navy civilian vehicles (including AMGOT vehicles).
- (b) Vehicles operated under AMGOT supervision, such as Ammassi trucks, sulphur trucks, etc.
- (c) Common carriers of goods and passengers.
- (d) Vehicles used for hauling of farm produce.
- (e) Vehicles used by military contractors or sub-contractors.
- (f) Vehicles used by industrial plants considered essential to a minimum subsistence economy.
- (g) Vehicles used in public services such as doctors, ambulances, governmental officials, etc.
- (h) Vehicles used by AMGOT supervised agencies such as utilities.

2. Electric power plants.

3. Fishing boats when the average size of the catch warrants the use of petrol.

4. Flour mills.

5. Sulphur and asphalt mines.

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- (a) Army and Navy civilian vehicles (including MCOF vehicles).
- (b) Vehicles operated under MCOF supervision, such as Ammasi trucks, sulphur trucks, etc.
- (c) Common carriers of goods and passengers.
- (d) Vehicles used for hauling of farm produce.
- (e) Vehicles used by military contractors or sub-contractors.
- (f) Vehicles used by industrial plants considered essential to a minimum subsistence economy.
- (g) Vehicles used in public services such as doctors, ambulances, Governmental officials, etc.
- (h) Vehicles used by MCOF supervised agencies such as utilities.

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2. Electric power plants.
3. Fishing boats when the average size of the catch warrants the use of petrol.
4. Flour mills.
5. Sulphur and asphalt mines.
6. Other types of consumers will only be granted permission to purchase petroleum with the approval of Economics and Supply Division of MCOF.

2. Not all applicants falling in the above classes will be given permission to purchase petroleum. Each application should be scrutinised with great care to see that it will be used for only the most essential purposes.

3. The amount of gasoline allowed each applicant will be determined on the basis of actual miles of travel in the case of motor vehicles and hours of operation in the case of other users. (Deductions will be made for stocks in possession of the applicant.)

4.//

-2-

4. The total amounts granted must fall within the allocation of petroleum products to the province as made by the Economics and Supply Division of MACOT Hq. Palermo.

5. Only those persons who have permission to purchase (or who would have been given permission to purchase were it not for stocks already in their possession) will be issued licences to operate motor vehicles.

For Submission.

REF ATTACHED DRAFT FOR A ^{PROPOSED} ~~LECTURE~~ LECTURE SUBMITTED BY MAJOR
REEVE. DUE TO RECENT DEVELOPMENTS IT MAY BE DIFFICULT
TO ARRANGE OPPORTUNITIES FOR THE GIVING OF THIS LECTURE.
IT IS THEREFORE SUGGESTED THAT MAJOR REEVE PREPARE THE
SUBSTANCE OF THE LECTURE IN ^{ABRIDGED} NOTE FORM. THIS COULD BE
CIRCULATED TO REEVE.

5425

785015

TO: JCS.
FROM: Fuel Sub-Commission, Allied Commission.
SUBJECT: Proposed Lecture.
REFERENCE: FUEL.
DATE: 24 October 1943.

1. Herewith attached is a lecture which I had proposed offering to give C.A.O.s. with the object of obtaining their full co-operation in the field on the question of domestic supplies.
2. Owing to the departure of Col. Carter I have not had this opportunity and have therefore written the lecture out in full with the suggested idea that it be duplicated and sent to the Regional Chiefs for circulation amongst their C.A.O.s.
3. I submit this to you for your approval, particularly in view of the recent re-arrangement of the duties of Sub-Commissions. If approved I would be happy to give this lecture to officers still attached to the Holding Centre here.


Major.
Fuel Sub-Commission.

5421

7c.

Notes in lecture known to copyist.

P. H. Tamm Colonel.

7 Nov '43.

5423

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1170
GA (6)
ALLIED FORCE HEADQUARTERS
Military Government Section

25 October 1943

TO: General Gale,
Chief Administrative Officer.

SUBJECT: Coal Organisation for Italy.

Reference your memo of the 22nd October I suggest that as soon as Brigadier Norman Smith has drawn up the plan a conference should be called at which we should like representatives of the Commission to be present from Tizi Ouzou. There should be, I think, economy in personnel and the prevention of over-lapping by the preparation of an integrated plan. We are anxious however to stabilise the personnel requirements as soon as possible.

There is also the important practical question of the Sardinian coal workings which must be pushed on with most urgency. I should like to have Col. Koenig fly back to report and to take part in discussions as soon as a new plan is established. Do you agree to this course?

Dictated by Col. A. T. Maxwell.

→ CC to Brig. Gueterbock. ✓

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26/10/43

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HP /JJF

ALLIED FORCE HEADQUARTERS
Military Government Section

MGS 463.3

24 October 1943

SUBJECT: Proposed Coal Service - Report of Col. Koenig

MEMORANDUM: To Brig. Gueterbock

In case this report has not reached you before, it is forwarded for your consideration and that of Colonel Kirkwood in planning for the set-up of Allied Commission.

Henry Parkman Jr.

HENRY PARKMAN, JR.
Lt. Col. G.S.C.
Military Government Section

Incl. 1

J.A.P.S.

Please let Fuel Subcommission have copies for

- (a) themselves*
- (b) Economic director's staff*
- (c) Economic + admin. Vice President's staff*

Also send copy to Internal Transportation Subcommission

Keep copy for Shipping Subcommission when it is set up

Please ask Fuel + Transportation for their comments

*Col
25 Oct. 43*

*See for
copy
11/10/43*

6603

CR/

2397/
25 Oct. 43

6776

Copy of this in Special

5B (2/10/43) AB
FROM: Mining Branch, Region VI.

TO: C.G., M.G.S., A.F.H.Q., A.P.O. 512. (Through Commander Region 6)

SUBJECT: Proposed Military coal service.

REFERENCE: Reg VI/11/HQ.

Date: 23 Sept., 1943.

1. MISSION.

The mission of the proposed Coal Service will be to:-

- (a) Formulate plans and policies covering all phases of the mining, preparation, distribution and importation of coal in Italy and the Mediterranean Islands.
- (b) Actively prosecute the execution of said plans in order that:-
 - (1) The maximum tonnage of coal be produced locally.
 - (2) The distribution be effected on an efficient basis, assuring the delivery of the proper type and size of coal to each consuming plant.
 - (3) The importation of coal from overseas be reduced to the minimum amount required for essential military and civilian needs.
- (c) Liaison with War Shipping Administration in respect to the forward tonnages of coal to be transported both locally in the Mediterranean and from overseas.
- (d) Prepare requisitions for imported coal in accordance with the requirements of the essential civilian users of coal, and submit same to the Q.M. of Allied Force 5420 H.Q. for processing and filling. (Military coal requirements are prepared by the several using military agencies)
- (e) Inform the Director General, Military Railway Service of the Transportation Corps of the tonnage of future deliveries of railway locomotive fuel from Italian mines.
- (f) Prepare and/or review all requisitions for materials and supplies for Italian mines, coal preparation plants and coal loading and unloading facilities.
- (g) Prepare current production figures and forward estimates of production and imports to be sent to all interested agencies.

the distribution be effected on an efficient basis, assuring the delivery of the proper type and size of coal to each consuming plant.

- (3) The importation of coal from overseas be reduced to the minimum amount required for essential military and civilian needs.

(c) Liaison with War Shipping Administration in respect to the forward tonnages of coal to be transported both locally in the Mediterranean and from overseas.

(d) Prepare requisitions for imported coal in accordance with the requirements of the essential civilian users of coal, and submit same to the Q.M. of Allied Force H.Q. for processing and filling. (Military coal requirements are prepared by the several using military agencies)

(e) Inform the Director General, Military Railway Service of the Transportation Corps of the tonnage of future deliveries of railway locomotive fuel from Italian mines.

(f) Prepare and/or review all requisitions for materials and supplies for Italian mines, coal preparation plants and coal loading and unloading facilities.

(g) Prepare current production figures and forward estimates of production and imports to be sent to all interested agencies.

2. BASIS.

The coal problems of an occupied industrialized country such as Italy should be handled by a single military agency just as all the transportation problems are delegated to the Military Railway Service. The different phases of coal supply are part of an integrated whole and can best be orderly managed within a single agency. The analogy of the proposed Military Coal Service with the Military Rail Service is almost perfect in so far as the latter incorporates all the phases of transportation (traffic, operations, maintenance of way, mechanical department, engineering department etc.) in a manner like that of a well ordered railway and the former should cover all phases of a completely integrated coal company, namely, mining, preparation, distribution, combustion engineering service, distributing both coal mined by itself and purchased from other sources.

Contd. sheet 2.

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Italy has for many years been the world's third largest importer of coal, its current annual requirements being of the order of 12,000,000 tons (approximately 80% of the tonnage of imports of all civilian requirements are coal). In recent years the mining of solid fuel in Italy (bituminous coal, brown coal and/or lignite) has greatly increased. The available data on the minimum requirements of Italy on a wartime basis are conflicting, but the following table attempts to set out the approximate minimum and maximum orders of magnitude.

	Long tons.	
	Minimum.	Maximum.
Local Solid fuel production.		
Sardinian sub-bituminous coal.	1,800,000.	2,400,000.
Istrian bituminous coal.	900,000.	1,500,000.
Brown coal and/or lignite.	3,000,000.	5,000,000.
Sub total	5,700,000.	8,900,000.
Imported coal.		
Bunker, gas and steam coal (wartime basis)	4,000,000.	7,000,000.
TOTAL, ALL SOLID FUELS.	9,700,000.	15,900,000.

It is suggested that the mining, distribution and transportation of the above tonnage are of such a size that by efficient and orderly management of all phases of Italian coal industry, large savings in overseas shipments can be effected, and that, as a corollary to the above, if the various parts of this integrated whole be split into several uncoordinated parts there will be more confusion, duplication of effort, improper allocation of fuel and less efficient utilization of the resources and shipping available to our armed forces.

3. ORGANIZATION.

The suggested organization is based on that of a well ordered coal company, to wit:-

CHIEF, COAL SERVICE. Executive.

Mining.	Preparation.	Combustion Engineering	Supply of materials and spare parts.	Engineering.	Distribution.
(1) Direct supervision of the over the	(1) Preparing the coal most economical fuel	(1) Ascertaining	(1) parts.	(1) Mining. (2) Electrical (3) Mechanical	(1) Liaison with transportation and W.S.A. (2) Preparation

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(wartime basis)
TOTAL, ALL SOLID FUELS. 4,000,000. 7,000,000.
9,700,000. 15,900,000.

It is suggested that the mining, distribution and transportation of the above tonnage are of such a size that by efficient and orderly management of all phases of Italian coal industry, large savings in overseas shipments can be effected, and that, as a corollary to the above, if the various parts of this integrated whole be split into several uncoordinated parts there will be more confusion, duplication of effort, improper allocation of fuel and less efficient utilization of the resources and shipping available to our armed forces.

3. ORGANIZATION.

The suggested organization is based on that of a well ordered coal company, to wit:-

CHIEF, COAL SERVICE.

Executive.

Mining.	Preparation.	Combustion Engineering	Supply of materials and spare parts.	Engineering.	Distribution.
(1) Direct supervision over the actual mining procedure.	(1) Preparing the coal of proper specification in accordance with directions of Combustion Engineering.	(1) Ascertaining most economical fuel for each important user of coal.		(1) Mining. (2) Electrical and W.S.A. (3) Mechanical	(1) Liaison with transportation and W.S.A. (2) Preparation of requisitions for coal. (3) Liaison with Q.M.

While no detailed T/O can be prepared until more detailed facts are known about the Italian coal industry as a whole, a tentative numbers of officers and enlisted men is set out herein below:-

Contd. Sheet 3.

--3--

	<u>Officers.</u>	<u>E.M.</u>
Chief, Coal Service and Executive.	2	3.
Mining department.	4	6
Preparation department.	2	2
Supply department.	4	6
Engineering department.	4	10
Distribution.	6	12
Total.	<u>28</u>	<u>39</u>

Chief, Coal Service and Executive.
Mining department.
Preparation department.
Supply department.
Engineering department.
Distribution.

Total.

4. It is recommended that:-

- (a) The above plan be considered.
(b) That an organization to carry out the above functions be established prior to the time that the industrial area of Northern Italy comes under the control of the Allied Forces.

Robert P. Keenig

Robert P. Keenig.
Lt. Col., C.E.
Economics Division
Mining Branch, Region VI.

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ALLIED FORCE HEADQUARTERS

CAO. 451.

20 September 1943

SUBJECT: MR. BERTHOUD

TO : Brigadier General J. C. HOLMES,
Chief, Military Government Section - AFHQ.

1. I agree with the comments you make in the third paragraph of your letter of September 17th.

2. Mr. Berthoud will be attached to the Petroleum Section AFHQ upon his arrival here. He, as well as other members of the staff of the Petroleum Section, will be available for discussion and advice regarding Petroleum problems arising in Italy.

H. M. GALE
Lieutenant General
Chief Administrative Officer

ACC
1155
1180

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duplicate for G-1

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ALLIED FORCE HEADQUARTERS
Military Government Section

JCH/jl

17 September 1943

SUBJECT: Cable 69154 from Troopers for CAO, Arrival of Mr. Berthoud.
TO : C.A.O.

I agree it would be a considerable benefit generally for Mr. Berthoud to be available to advise on petroleum matters here.

As far as the Armistice Control Commission is concerned we have set up a Fuel Section in the Division of Utilities, Power and Fuel, but we have not at present included any officer in the TO/WE specifically to be concerned with petrol above the rank of Major.

While I contemplate that in the early stages your Petroleum Section will handle almost completely the petroleum situation in Italy, our experience of similar problems in Sicily has shown that it would be wise for Armistice Control to establish straight away a small petroleum section, in the first place to have liaison with your Petroleum Section and subsequently take over from it so much of the Italian responsibilities as you may not wish to retain for tactical reasons. If you are in general agreement with this plan we would propose to enlarge somewhat our Petroleum Section, and in the meantime to make use with your approval of the advice of Mr. Berthoud on his arrival.

J. C. HOLMES
Brigadier General, G.S.C.
Chief, Military Government Section

5:16

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Joint Assistant Chiefs of Staff
FROM Fuel Sub Commission 2A
SUBJECT Advance Party
REF AC/1017/2 AC
DATE 9 Oct 43 1182

Reference today's conference
and para 8 of PD. 11. dated 7 inst
no action as follows for
detachment which will proceed
to SICILY, in order of priority.

1. Capt J J A FAGAN MC RE
2. Lt Col C S CARTER
3. MAJOR R W REEVE

During the assignment 541
additional officers to the
Sub Commission, it is urged
that Nos 2 and 3 as above remain
together
Carroll Carter Lt Col
Fuel Sub Comm

TO : Joint Assistant Chiefs of Staff.

FROM : Prof Sub-Commission (Sec 3, Series 5)

SUBJECT : Function and Formation as per App "E" to P.D. No. 7 Dated 26 Sept 45.

REFERENCE : ACC/1016/3 (Puel)

DATE : 28 Sept. 45.

Submitted draft suggestion as per attached from which it will be seen that the sub-commission be divided into two main sections, working under joint heads, 1 Col. (A) and 1 Lt. Col. (B)

These heads should be able to administer and organize in such a manner that "PRODUCTION" should, as quickly, as possible give their full weight to requirements of "DISTRIBUTION". At least one should be a technical man.

"A" PRODUCTION.

To be technical officers able to supervise and advise on the following :-

1. Refining of Petroleum.

(a) Starting up of all possible plants. In the event of considerable sabotage to ascertain material and parts required.

i) If available locally.

ii) Failing (i) it can be obtained by cannibalising smaller and less important plants not so urgently required.

iii) Failing (i) and (ii) importation in conjunction with 'B' Section.

(b) Advice to 'B' Section of future output -
i) Petroleum (encl. tube).

ii) By-products.

(c) Advise "B" Section of crude oil requirements.

(d) Charcoal production for "Producer Gas Transport"

(e) Production of Hard Coal.

i) Servisia.

ii) N. Italy.

giving "B" Section estimated forward figures under various grades.

"B" DISTRIBUTION

Will not need technicians and can be ably assisted by the Lt. Col. (B). They must be acquainted with the economic position and distribution.

They will :-

a) Collate all records of internal supplies as given by "A" Section to be offset against

5:11

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setting up of all possible plants. In the event of considerable sabotage to ascertain material and parts required.

i) If available locally.
ii) Railing (1) it can be obtained by cannibalising smaller and less important plants not so urgently required.

iii) Railing (1) and (ii) importation in conjunction with 'B' Section.

(b) Advice to 'B' Section of future output -
i) Petroleum (encl. tabs).
ii) By-products.

(c) Advise "B" Section of crude oil requirements.
(d) Charcoal production for "Producer Gas Transport"

(e) Production of Hard Coal.

i) Sardinia.

ii) E. Italy.

giving "B" Section estimated forward figures under various grades.

"B" DISTRIBUTION

Will not need technicians and can be ably assisted by the Lt. Col. (B). They must be acquainted with the economic position and distribution. 5:11

They will :-

a) Collate all records of internal supplies as given by "A" Section to be offset against requirements. Figures sub-commissions & produce importation figures. Supplied by other
i) Coal by grades.
ii) P.O.L. by grades.

To be calculated ahead on estimated figures.

b) Allocate stocks and supplies according to pre-decided priorities e.g.

Passenger Cars
Trucks.
Busses.
AW/Cs
Industry.

c) Rationing according to (b) taking into consideration existing schemes.

..... contd page 2)

Ctrl in
a. u. l. b.
o. d. m.

"B" DISTRIBUTION (contd)

- d) Schedule all available rail and road tank cars and control of distribution and journeys.
- e) organize bulk storage.
- f) Arrange import requirements.
- g) Liaise with Sea Transport re terminals.

[Signature]
Fuel Sub-Commission.
Armistice C.C.

/t/t

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FUEL SUB-COMMISSION.

1 Col. (A)
1 Lt. Col. (B)

O 1B

A Section.

PRODUCTION.
1 Maj. (A or B)
1 Capt. (A)
1 " (B)

1. Refinery of Petroleum products.
2. Estimate crude oil requirements & destination.
3. Restarting of plants.
4. Demands for repairs.
5. Canibalization if necessary.
6. Charcoal for Road tpt.
7. Hard coal production.

B Section.

DISTRIBUTION &
TRANSPORTATION
1 Maj. (A or B)
1 Capt. (A)

1. Collate all statistics.
 - a) Internal supply.
 - b) " requirements.
 - i) coal.
 - ii) P. O. I. under various grades.
2. Ascertain import tion requirements.
 - a) Coal.
 - b) Crude oil.
 - c) P. O. I.
3. Estimated future stocks.
4. Allocate on priorities.
5. Rationing.
6. Arrange terminals with Sea Transport.
7. Schedule Rail & Road tank cars.

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