

Ten-Day Report No. 12

for the Period from Thursday, 21 April to Saturday, 30 April 1949

Maximum output of the power plants comprising the network of the Soviet Zone of Occupation, including Berlin:

Tuesday, 26 April 1949	40,979 mill ^{kwh} kw hrs (113 percent)
Target	36,207 " " "
Peak (not simultaneous)	2,042 megawatts (106.5 percent)
Target	1,917 "
Period of consumption 20 hr/day	7,300 hr/yr

The period of peak consumption has definitely shifted from evening to forenoon. As a result of repairs in progress at the power plants and because of the scant supply put at the disposal of the public network by the chemical plants (10 - 15 megawatts instead of 55 megawatts as in the preceding months) very heavy demands are being made on the power supply in the forenoon, necessitating curtailments in the early afternoon hours (about 1500 hrs). This meagre contribution of current by the chemical plants is caused by the breakdown of machines 11 and 12 at Bitterfeld (power plant performance 95 megawatts) and by the ordered increase of production at the Karbis plant at Schkeppau. (loss of output 40 - 45 megawatts). In order to improve the electric power situation the supply of current - 10 megawatts - from Britungen to Hersfeld (US Zone) was discontinued at 0857 hours on 21 April; supply has not been resumed to date. On 21 and 26 April operation of the power pool among the various power districts had to be discontinued for some time. Electric power consumption was very high on those days because of cold weather, necessitating stringent curtailments.

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in order to keep frequency from dropping below 49 Hertz [^{cycles per second}]. As it is planned to utilize the entire capacity of the Bleiloch power plant to supply current beyond district boundaries, no reserve capacity is available. The ^{for other} contingents determined for output must therefore be met, even at frequencies of between 49.5 and 50 Hertz, in order to obviate the necessity of one power district having to cut off current at the expense of another. Moreover, the electric power districts must keep closer track, in future, of quantities drawn from the power pool; they themselves must make sure that ^{quantity} contingents are not overdrawn and supervisory responsibility must not be left entirely in the hands of the Main Load Dispatcher.

From 1513 hours on 28 April to 0512 hours on 30 April machine 10 at Espenhain (48 megawatts) was temporarily ~~put~~ out of commission because of a leak in the jet casing. Nevertheless, on 29 April frequency was maintained within tolerable limits because necessary cut-offs had been effected in all districts, at the proper time. On 26 April, at 2747 hours, machine 8 (35 megawatts) was shut down at Espenhain. It had been utilized for the production of reactive power up to that time. The explanation offered was that at an output of 180 megawatts the necessary reactive power could be produced by the balance of the machines. Despite an increase in output to 900 megawatts machine No. 8 has not been put back into operation up to this time, allegedly because of excessive operating cost. Consequently, ^{voltage} ~~tension~~ at Espenhain dropped from 105 to 102 - 103 kilovolts; at Silberstrasse it was only 96 kilovolts instead of 98. It remains to be determined, on hand of close observation in the near future, whether the ^{voltage at} ~~tension in~~ Silberstrasse and the other transformer stations can be maintained at a minimum of 96 kilovolts. If this is not possible machine 8 at Espenhain will have to be operated again, in an auxiliary capacity.

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The Coal Situation

Electrical District Berlin:

There has been a slight reduction of the coal supply in the East Sector, while the West Sector supply shows an increase of approximately 8,000 tons.

Electric power plant Klingenberg, coal supply	52,658 tons - 36 days
Electric power plant Rummelsburg " "	9,235 tons - 46 days
Electric power plants West " "	40,749 tons - 41 days

Electrical District North:(Brandenburg Mecklenburg):

At the Potsdam electric power plant the coal supply shows an increase from approximately 360 tons to 1000 tons. At the Bramow power plant, which had to be ^{operated at an increased rate} ~~operated at higher capacity~~ because of the ~~xxxxx~~ ~~xxxxxx~~ closing down of the Finow power plant in April, the coal supply has been reduced to approximately 100 tons. Coal allocations for May must be distributed as promptly as possible. At the remaining electric power plants the coal situation is satisfactory.

Electrical District East (Sachsen):

On the whole it has been possible to replenish coal supplies; the stock on hand is satisfactory, therefore.

Electrical District South (Thüringen):

With the exception of electric power plant Erfurt, coal supplies are generally satisfactory, being adequate for 10 to 15 days.

Electrical District West (Sachsen-Anhalt):

The coal situation at the electric power plants is satisfactory. Supplies are adequate for approximately 10 to 14 days.

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Electric Consumption

Central Electrical District:

electric power
 Maximum output of ~~current~~ electric power 6,126 mill kw/hrs on 30 Apr 49
 Maximum consumption of ~~current~~ electric power 2,504 " " " 23 Apr 49
 Maximum peak of output (not simultaneous) 291 megawatts

Electric power plant Zschornowitz: Output 120 - 140 megawatts (machine 1, 16 megawatts, undergoing repair, machine 6, 16 megawatts, being overhauled)

Electric power plant Harbke: Output 100 - 130 megawatts, loss of output from 25 to 27 April 10 - 15 megawatts (70,000 - 150,000 ^{kw/h} ~~kw/hrs~~) caused by excessively wet coal.

Electric power plant Magdeburg: Output 20 megawatts, machine 1 (22.5 megawatts) undergoing repair on account of defective generator and ^{vanes} ~~scrap~~.

Electrical District Berlin:

Maximum consumption of electric power 3.82 million ^{kw/h} ~~kw/hrs~~ on 22 Apr 49

Maximum peak ^{load} ~~consumption~~ 218 megawatts as of 22 Apr 49

^{Quota} Contingent from power pool 14 - 18 megawatts

Electric power plant Klingenberg output 130 - 135 megawatts because of scheduled boiler repairs

Electric power plant Rummelsburg output 10 - 15 megawatts

Electrical District North:

Maximum consumption of electric power 4 million ^{kw/h} ~~kw/hrs~~ on 29 Apr 49

Maximum peak ^{load} ~~of consumption~~ 225 megawatts on 29 Apr 49

Approved load as per electric power budget 228 - 216 megawatts

Approved consumption from power pool as per electric power budget 88 - 72 megawatts

Electric power plant Lauta output 53 megawatts
 Electric power plant Finkenheerd output ~~34~~⁴⁶ megawatts

Electrical District East:

Maximum consumption of electric power including Bubiag, Friedlaender and L
 Lauchhammer - 12,380 million ~~kw~~^{kuh} hrs
 on 27 Apr 49

Maximum peak load, exclusive of Bubiag, Friedlaender and Lauchhammer -
 584 megawatts

Approved load as per electric power budget 560 - 571 megawatts

Power pool ^{quota} contingent as per electric power budget - 0 megawatts

Electric power plant Böhlen output 95 megawatts, machine 7 (22 megawatts)
 undergoing overhauling since 22 Apr 49

Electric power plant Espenhain output 180 - 205 megawatts,
 160 megawatts since 28 Apr due to break-
 down of machine 10

Electric power plant Hirschfelde output 112 - 115 megawatts

Electric power plant Leipzig-North " 19 megawatts -
 7.5 megawatts since 30 Apr due to over-
 hauling of machine 6 (15 megawatts) and
 boiler 2.

Electric power plant Plessa output 12 - 18 megawatts because of
 inferior coal and breakdown of boiler
 stokers.

The output of the remaining power plants was normal on the whole.

Electrical District South:

Maximum consumption of electric power, including North Thüringen,
 (without pump current) 2,584 million ~~kw~~^{kuh} hrs on 22 Apr 49

Maximum peak load 142 megawatts on 22 Apr at 1200 hrs

Approved load as per electric power budget 122 - 120 megawatts
 Approved consumption from power pool 39 - 34 megawatts

Electric power plant Breitungon Output 32 megawatts due to overhauling
 of boiler 5
 38 megawatts as of 26 Apr 49
 Electric power plant Gispersleben " 11 megawatts due to overhauling
 of machine 1
 Electric power plant Erfurt " 22 megawatts as of 24 Apr due to
 cleaning of boiler 3
 Electric power plant Bleiloch " 40 megawatts with an average daily
 output of 247,000 ^{kwh} ~~kw~~/hrs

Flow to Bleiloch dam 2.5 m³/sec

Level of reservoir at Bleiloch 401.2 m (\pm 0.13 m) = 85 million m³ effective
 content
 " " " " Hohenwarte 277.75 m (\pm 0.09 m) = 30.05 " " effective
 content

Electrical District West:

Maximum consumption of electric power (without Lützkendorf and Tröglitz)
 3,578 million ^{kwh} ~~kw~~/hrs on 27 Apr 49
 Maximum peak load 204 megawatts on 28 Apr 49 at 1100 hrs
 Approved load as per electric power budget 173 - 176 megawatts
 Approved consumption from Central District
 as per electric power budget 122 76 - 79 megawatts

Electric power plant at Gross Kayna output 15 - 28 megawatts, machine 6
 undergoing repair

Electric power plant Leopold mine " 20 - 35 megawatts from 22 Apr,
 2200 hrs to 25 Apr, 0510 hrs
 Output in excess of 100 kilovolts-
 megawatts because of cleaning of
 machine 6 condenser.

From 27 Apr, 1500 hrs to 28 Apr, 0938 hrs
Output in excess of 100 kilovolts 10 megawatts because of No 519 defect on machine 6.

Electric power plant Bleichenode output 10 megawatts
Electric power plant Halle-Trotha output 20 megawatts

Chemical Plants:

Maximum output of electric power 10,770 million ^{kwh} ~~kw~~/hrs. ^{Quota} Contingent furnished to the public network 0.663 million ^{kwh} ~~kw~~/hrs. Own consumption 10,107 million ^{kwh} ~~kw~~/hrs. Output made available to the 100 kilovolt electric power pool 10 - 15 megawatts. Consumption from power pool during ~~light~~ low load periods, beginning 1600 hrs and continuing through the night, up to 40 megawatts.

Electric power plant Bitterfeld output 95 megawatts, machines 11 and 12 ^{back} have not yet been put/in operation

Claimed by Schkopau from the ^{bus bar} ~~collecting bar~~ of the chemical plants - up to 100 megawatts.

Short-duration cutouts:

Central Electrical District	0 megawatts
Electrical District Berlin, East Sector	0 "
" " " North Sector	30 "
" " " East	40 - 50 megawatts
" " " South	12 - 15 "
" " " West	<u>30</u> "
Total cutouts	112 - 125 megawatts

Main Load Dispatcher

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German Economic Commission
Electric Power Administration
Main Load Dispatcher

Berlin, 3 May 1949

Special Operational Incidents from 21 April to 30
April, 1949

Thermo-electrical Plants

Day	Time	Electr. Distr. District	Location	Type of Malfunction and cause	Breakdown (megawatts)	duration	Restored to operation since:
22	1330	South	Gispersleben	Boiler 2, pipe puncture on preheater	6	1 day	23 Apr 1600 hrs
23	1600	South	Breitungen	Boiler 2, defective superheater	7	2 days	25 Apr 1345 hrs
25	1030	Chem. Plant	Film	Boiler 14, pipe punc- ture	15	2 "	27 Apr 1620 hrs
27	1500	West	Leopold	Boiler 2, defective Eco [sic]	10	1 1/2 "	28 Apr 0938 hrs
28	0930	Central	Zachornew	Machine 2, defective safety regulator	8	37 min	1003 hrs
28	1513	East	Esperhain	Breakdown of machine 10	45	1/2 day	30 Apr 0512 hrs
29	1815	West	Gross Kayna	Boiler 3, defective air pre-heater	8	1 hr	1935 hrs
30	2000	West	Gross Kayna	Boiler 3, breakdown of air pre-heater motor	15		not yet oper- ating

Main Load Dispatcher
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CONSTRUCTION OF AN ELECTRICITY PLANT

An important electricity plant has been erected at Velika Selita,
a suburb of Tirana.

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IV - Miscellaneous Achievements

In order to boost the quantitative and qualitative output of the Kabkavalj cheese industry in Albania the directorate-general of the Syndicate has opened eighty cheese dairies during this year and has provided specialized workers to operate them.

Other Industries:

- 1) In the first sixteen days of January the working cooperatives of Avlona exceeded this month's plan by six per cent.
- 2) During this quarter the Scutari paste products Italian type plant exceeded the quota provided under the plan by 170 tons.

The paste products plant at Durazzo attained 66 per cent of its January production quota.

At Corizza 63 per cent of the quota for tanneries was reached during this month.

In the same town the textile manufacturing quota was fulfilled by 104 per cent.

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