

German Democratic Republic

FDD Abstract of [REDACTED]

COMPETITION OF SODIUM HYDRATE PRODUCERS (1); German; [REDACTED]

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Report on a meeting of participants in a special competition of sodium hydroxide producers in the GDR. The meeting took place [REDACTED] in Ammendorf.

The meeting was opened by Mr. Probst, Ammendorf, and chaired by Dr. Lindstrom of Wolfen-Farben. Dr. Lindstrom reported the following results:

Plant	Number of participants	Tons per Day	Percentage Realization	Graphite Consumption	Load / Voltage per cm Anode Surface
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Billiter Electrolysis Installations

Ammendorf	45	20	90%	12.0 kg	980 Amp. 4.3 V
[REDACTED]					(1100 " "
Bitterfeld	131	163	100% A)	11.2 "	1210 " 4.45V
					840 " "
Westeregeln	89	51	90%	10.0 "	(1120 " 4.3 V
Wolfen	50	41.6	101.9%	8.5 "	1450 " 4.2 V

Mercury Electrolysis Installations

Bitterfeld	63	-	- -)	9.0 "	2660 " 4.4V
					(3250 " (4.7V
Nuenchritz	32	21.8	98.8%	10.0 "	2000 " 4.3V
Pirna	20	11.9	102%	7.0 "	2500 " 4.6V
Osternienburg	29	39.5	101%	5.6 "	1860 " 4.6V
Schkopau	191	169	100%	8.- "	3000 " 4.6V

Remarks

Billiter Installations Ammendorf does not have current because of turbine and machine defects. Bitterfeld and Wolfen have no difficulties. Shortage of asbestos paper and boiler pipes in Westeregeln, which also cannot be produced to full capacity because of damaged machinery.

Mercury Installations Bitterfeld has no bottle-necks. Voltage of converters relatively low in Nuenchritz. Osternienburg needs strengthening of third rail and also has a bottle-neck in the solution process. Pirna lacks mercury. Nothing to report about Schkopau.

Dr. Lindstrom suggests the following subjects for investigation: Reason for variation in the graphite consumption, difference in voltage in Billiter baths, and the question of diaphragm

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