

NIPPON KAYAKU Co., LTD.

SAMPLE CARD

NAME Sulphur Black 2R



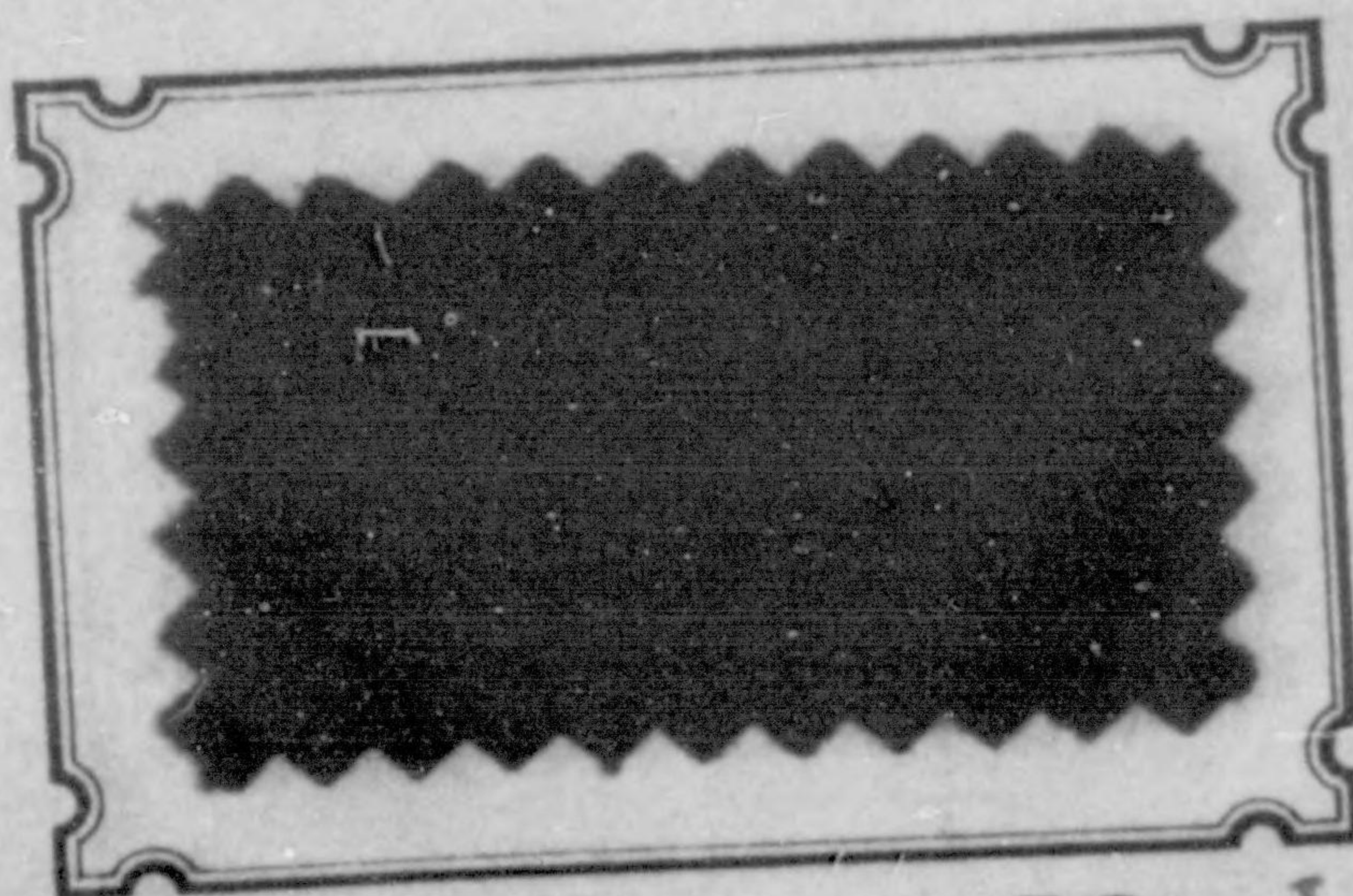
DYES 10%

FUKUYAMA DYESTUFFS WORKS 1950

NIPPON KAYAKU Co., LTD.

SAMPLE CARD

NAME Sulphur Black BR



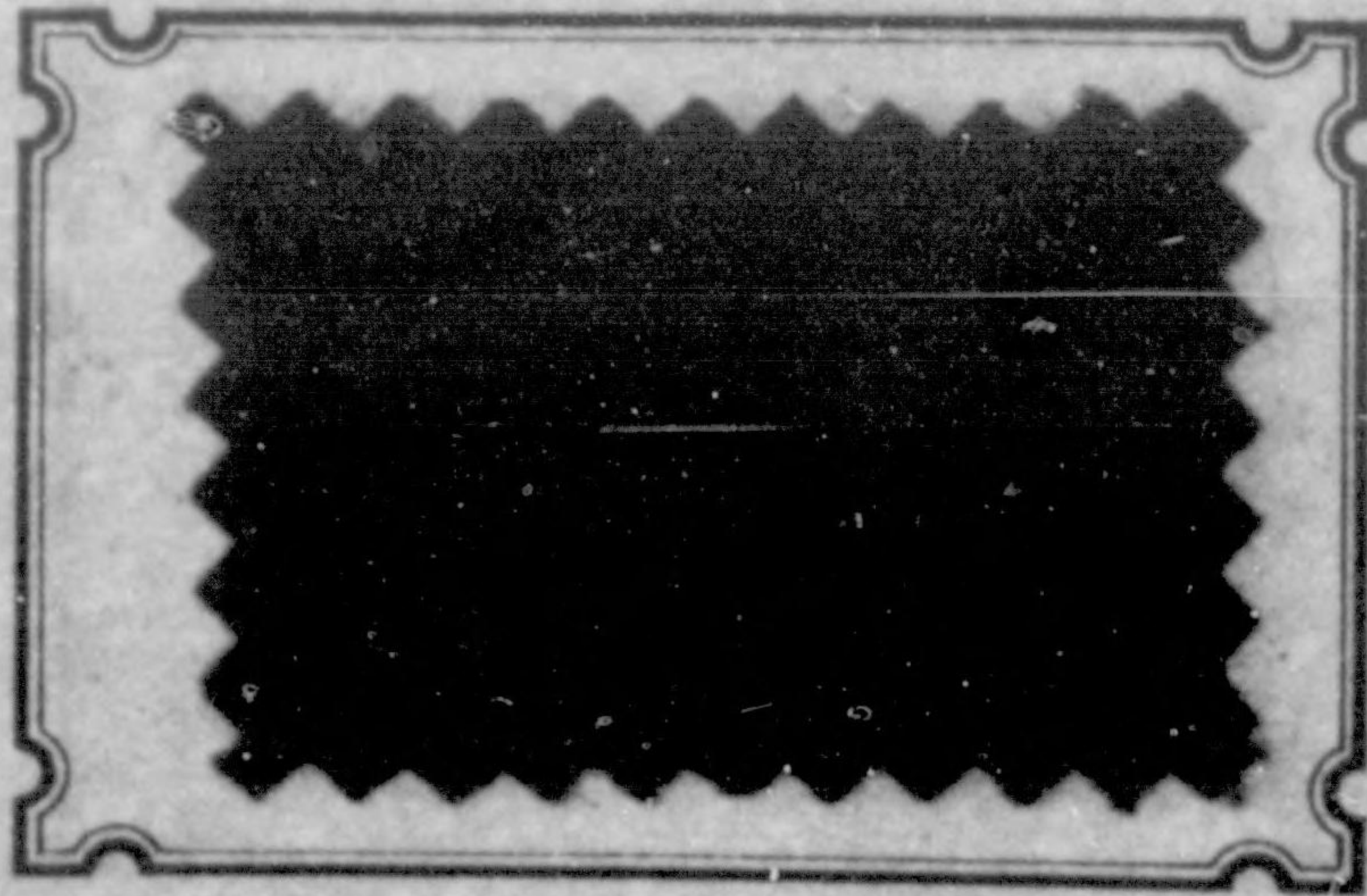
DYES 10%

FUKUYAMA DYESTUFFS WORKS 1950

NIPPON KAYAKU Co., LTD.

SAMPLE CARD

NAME Sulphur Black BX



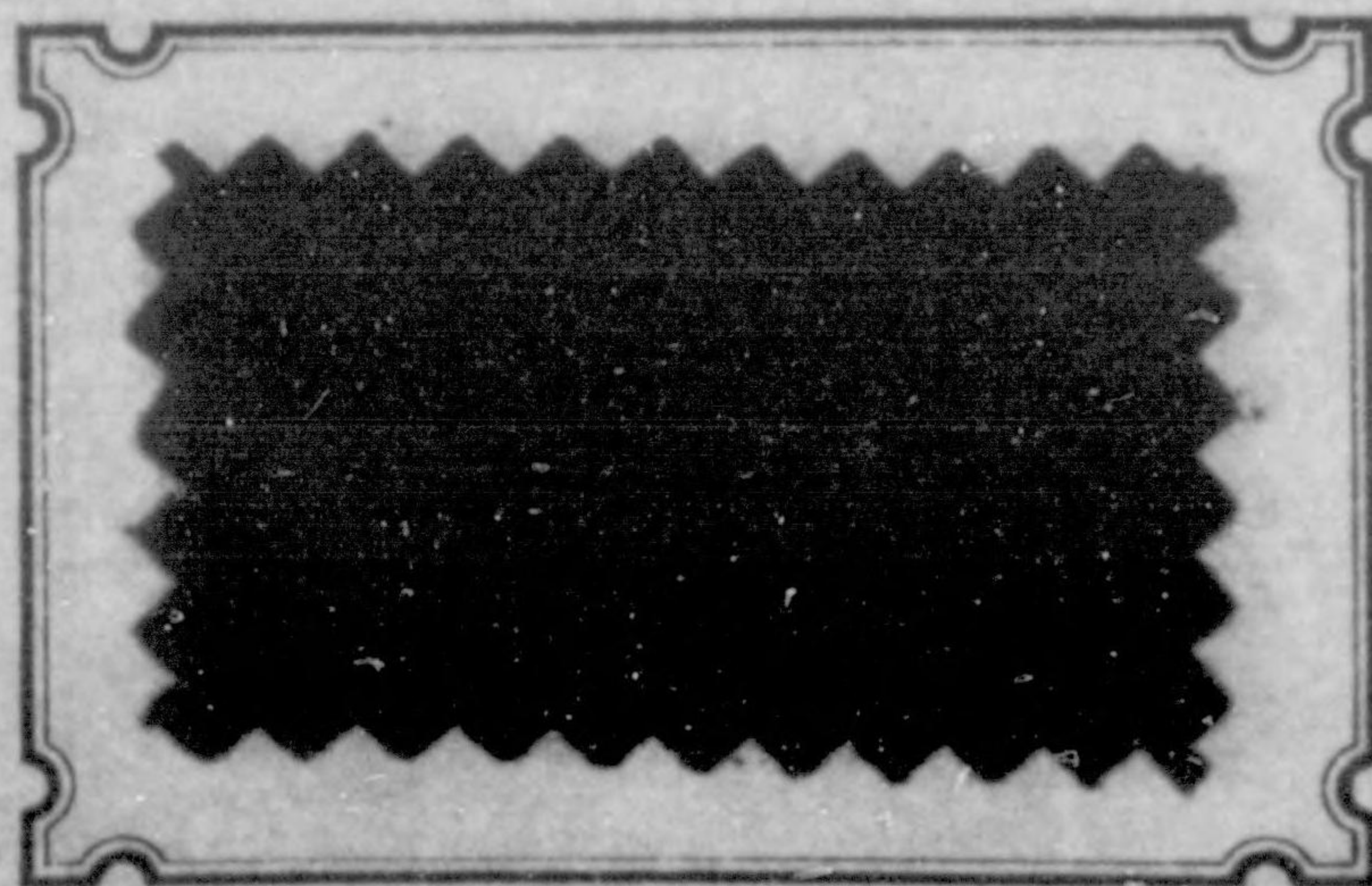
DYES 10%

FUKUYAMA DYESTUFFS WORKS 1950

NIPPON KAYAKU Co., LTD.

SAMPLE CARD

NAME Sulphur Blue RC



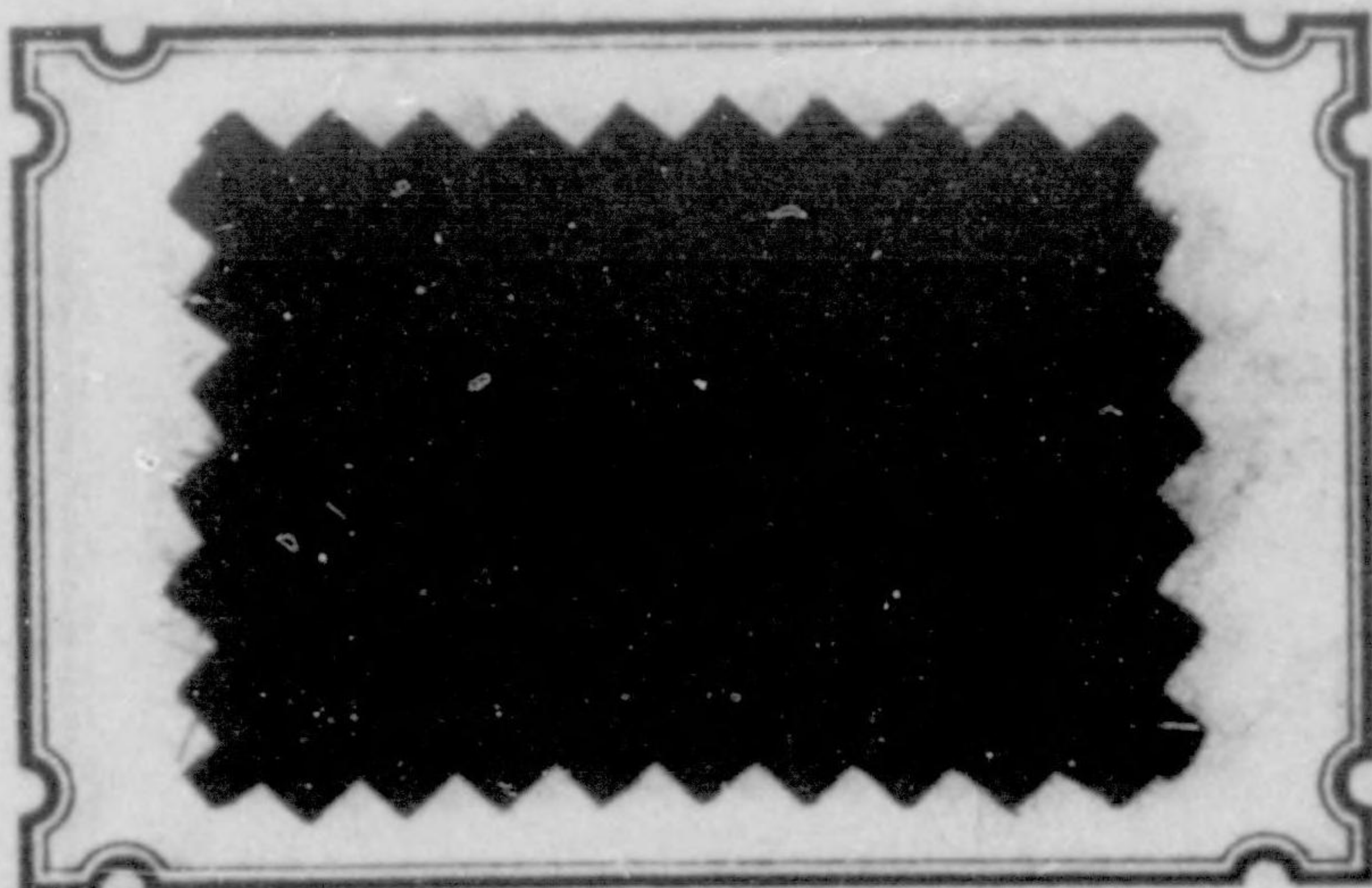
DYES 10%

FUKUYAMA DYESTUFFS WORKS 1950

NIPPON KAYAKU Co., LTD.

SAMPLE CARD

NAME Methyl violet Golden star



DYES 1%

FUKUYAMA DYESTUFFS WORKS 1950

FIELD TRIP REPORTR.G. SPADLEYFukuyama
26 July 19501. Purpose:

Inspection of Nippon Kayaku Seizo (Fukuyama Dyestuffs Works).

2. Background:

Surveillance in accordance with O.D. 11.

3. Discussion:

Conferees,

Mr. Ohta, Manager.
Mr. Sakamoto, Director.

Reports on the 598 employees, (broken down by average wage, age, working hours), production figures, principal raw materials used, electric power allocation and consumption, and labor union as of 26 July 1950 are in our file.

The stock of Picric acid amounted to 88.131 tons as of 26 July 1950. Due to the slow progress of the city plans the relocation of picric acid storage has not materialized as yet. The company is using an average of 8 tons of picric acid per month.

Electric power allocation and expected consumption are as follows:

<u>Month</u>	<u>Allocation</u>	<u>Expected Consumption</u>
July 1950	183,000 KWH	200,000 KWH
August 1950	167,000 KWH	200,000 KWH
September 1950	150,000 KWH	200,000 KWH

On 25 July 1950 the company received orders from Bangkok and India amounting to 172 tons and 17 tons of dyestuffs respectively.

4. Conclusion:

Electric power still constitute a problem.

As the use of water is being restricted from 0000 hrs - 0400 hrs. and its pressure even during the day time is so low in the city.

11-16 (1144)

the company is faced with a vital problem during summer --- the company consumes 700 tons of water per day.

The company has about 10 month's supply of picric acid on hand.

Two A.U. machines bearing the code numbers, 11-5-(139)-1 and 11-5-(139)-2 are in good operable condition.

5. Recommendations:

It was recommended to the officials that in case they should wish to use some of the 36 reparations items of picric acid production facilities for other production, they should submit an application with a promise that the items to be used for other than the picric acid production will revert to picric acid production when such production is materialized.

RGS
R. G. STRADLEY
Chief, Price, Distribution
and Industry Division

FIELD TRIP REPORTR. P. LORD

22 August 1950

1. Purpose:

Inspection of Fukuyama Dyestuffs Works, (Code No. 11-16) Fukuyama-shi, Hiroshima Prefecture.

2. Background:

Surveillance of reparations custody and maintenance in accordance with paragraph 3b O.D. 11, 10 April 1950.

3. Discussion:a. Production.

<u>Item</u>	<u>Quantity</u>
Sulphur Dyestuff	85,000 kg. monthly
Sulphur Vat Dyestuff	3,500 " "
Naphthol Dyestuff	1,200 " "

MANUFACTURING
 AND INDUSTRY
 FILE 11-16
 Sec. IV

b. The only problem now confronting plant management is shortage of water caused by lack of rain during month of July and August.

c. Electric power allocation has been sufficient thus far.

d. No labor problems were reported.

The former picric acid plant of this installation, comprising 36 items, is coded for reparations and all items are in storage. Two (2) other items of reparations equipment, 11-5(139)-1 and 11-5(139)-2 are in authorized use in operating section of the plant.

4. Conclusion:

Equipment inspected and found in satisfactory condition.

5. Recommendations:

None.

R. P. LORD
 Distribution & Industry Division

D/RPL/fk

FIELD TRIP REPORTR.G. STRADLEY

23 February 1950

1. Purpose:

Inspection of private munitions plant at (11-16),
(11-5(139)) Fukuyama Dyestuff.

2. Discussion:

Surveillance in accordance with O.D. 51.

3. Discussion:

Two (2) reparation item in the machine tool plant are
on authorized use. Code Numbers are 11-5(139)-1 and
11-5(139)-2.

Reconversion permit for the production of dyestuff was
granted 8 September 1949. However the picric acid plant
has never operated since the termination of hostilities
due to the fact that the picric acid was available for
purchase from the Japanese Government and that the demand
for sulphur dyestuff is small. They now have a stock of
117,490 kg. of picric acid average consumption of picric
acid per month for the production of sulphur black and
sulphur blue dyestuff is 8.4 tons.

Plant has six hundred (600) employees.

Total consumption of electricity during January was
161,000 KWH (allocation for January 134,000 KWH). Plant
custodies says their power bill has doubled since the new
power rate was adopted. He also says the picric acid
plant will have to be moved to another location due to the
city planning of Fukuyama City.

4. Conclusion: Reparation machines are in fairly good
condition.

5. Recommendation: None.

RGS
R.G. Stradley

D/RGS/st

FIELD TRIP REPORT23 December 19491. Purpose:

Inspection of Reparations Machinery at Plant 11-16 (Fukuyama Dyestuffs)

2. Background:

Surveillance in accordance with O.D. 51 dated 27 September 1949.

3. Discussion:

Plant manufactures dyes for wool, cotton, rayon, and silk. Sulphur dye is the present major product of which 40 tons is produced monthly. Company has in their possession reconversion permit dated 8 September 1949 to manufacture industrial crude picric acid - 8 tons per month. They do not expect to start production for another year.

4. Conclusions:

Two machines are in authorized use - 11-5(139) and 11-5 (139)-2. These and equipment in dead storage inspected and found in good condition.

5. Recommendations:

None

Robert P Lord, DAC
Economics Section
Chugoku Civil Affairs Region

11-16
LFI

REPORT ON INSPECTION

HIROSHIMA CIVIL AFFAIRS TEAM

DATE: 17 September 1949SECTION MAKING INSPECTION: Economics DATE OF INSPECTION: 9 September 1949OFFICER OR E.M. MAKING INSPECTION: C.W.O. Sowder, N. NishidaINSTALLATIONS INSPECTED: Fukuyama Dyestuffs Works, Nippon Kayaku K.K.

(Code No. 11-16, 11-5(139))

LOCATION: Irifune-cho, Fukuyama City (E - 10)TIME SPENT IN INSPECTION: 2 hoursINSPECTION COVERED THE FOLLOWING: Custody and maintenance of reparation machinery.

REMARKS:

1. No. of reparation machinery:

Total No. - 38 (Cl.I - 30, Cl.II - 8)

A.U. - 2 D.S. - 36

Two items in A.U. as above are Lathe and Upright Drilling Machine while thirty six items in Dead Storage as above are not machines but are metal or wooden drum dryers and tanks etc.

2. Date of the latest overhaul and adjustment of reparation machinery:

End of October 1948.

3. No. of gates: 3

No. of guards: 25, including one chief of guards.

(Shift of 8 hours 24/3 each)

4. Fire service arrangements:

Pool - 3 (900 ton, 800 ton and 80 ton)

Water tank - 24 (45 ton - 5 ton)

Well - 1, with turbine pump.

Gasoline pump - 2

Hand pump - 5

Hydrant - 36

Fire extinguisher - 100

114

Buckets and sand boxes.

5. Employees:

Total No. - 625, including 35 females.

6. Custody and maintenance of reparation machinery was in good condition.

(Appx.):

(1) % of attendance:

97% (Apr. May) 96% (Jun.)

97% (Jul.) 96% (Aug.)

(2) Average age of employees: 32 years

Oldest " " " : 61 years

Youngest " " " : 17 years

(3) Average wages of employees: ¥ 11,000

Maximum " " " : ¥ 37,000

Minimum " " " : ¥ 5,500

(4) President: KEIJIRO OTA

Custodian: (Ditto)

Technician: SHIRO MIYADOKORO

REPORT ON INSPECTION

HIROSHIMA CIVIL AFFAIRS TEAM

DATE: 29 August 1949

SECTION MAKING INSPECTION: Economics DATE OF INSPECTION: 25 August 1949

OFFICER OR E.M. MAKING INSPECTION: C.W.C. Sowder and George Tsuda

INSTALLATIONS INSPECTED: Fukuyama Dyestuff's Works, Nippon Kayaku Co., Ltd.

(Code No. 11-16 and 11-5(139))

LOCATION: Fukuyama City (S - 10)

TIME SPENT IN INSPECTION: 2 hours

INSPECTION COVERED THE FOLLOWING: Reparations machinery.

REMARKS: Company holds 38 reparations machines. Produces explosives, and picric acid. Machines in good condition.

REPORT ON INSPECTION

HIROSHIMA MILITARY GOVERNMENT TEAM

DATE: 16 Feb. 1949SECTION MAKING INSPECTION: Economics DATE OF INSPECTION: 9 Feb. 1949OFFICER OR E.M. MAKING INSPECTION: Capt. Dugger, N. NishidaINSTALLATIONS INSPECTED: Nippon Kayaku Co. Ltd.LOCATION: Fukuyama CityTIME SPENT IN INSPECTION: 1 1/2 hoursINSPECTION COVERED THE FOLLOWING: Reparation Machinery

REMARKS: 1. Total number of Items
 38 (cl. I 30, cl. II 8)
~~Two~~ A.T. 2, D.S. 36
~~Two items in A.T. are Lathe and Upright
 Drilling machines.~~
 Thirty six items in D.S. are not machines.
 (metal or wooden drum dryer or tank, etc)

2. Custody, Maintenance and Marking of
 all Reparation Items were very
 satisfactory.

(App). Workers engaged in maintenance of
 Reparation Items: 3 (male)

REPORT ON INSPECTION

HIROSHIMA MILITARY GOVERNMENT TEAM

DATE: ~~16~~ 16 Jan 49SECTION MAKING INSPECTION: Economics DATE OF INSPECTION: 14 Jan 49OFFICER OR E.M. MAKING INSPECTION: Major Norton, Capt. SluggenINSTALLATIONS INSPECTED: Nippon Kayaku (Neyostuff
Mfg. Co)LOCATION: FukuyamaTIME SPENT IN INSPECTION: 1 hourINSPECTION COVERED THE FOLLOWING: Industry & reparations

REMARKS: Reparation machines (picric acid plant)
is in good maintenance. Company is
in need of picric acid to ~~make~~ manufacture
black and blue sulphur dyes. Are trying
to get 300 tons located in a warehouse
near Kokura Arsenal. This company is
creating new buildings and rapidly expanding.
They expect an excellent business this
year.

775010

No.

BASIC: Ltr, Hq HMGT, APO 317, file HMGT 319, dtd 18 May 48, subject:
"Release of Picric Acid for Dyestuff Manufacture."

CMGR 441.3 (D-No) *AM* 5th Ind

Headquarters, Chugoku Military Government Region, APO 317, Kure, Honshu,
Japan, 10 July 1948

TO: Commanding Officer, Hiroshima Military Government Team, APO 317

Forwarded herewith as inclosure 1 is letter addressed to Hiroshima
Bureau of Commerce and Industry requesting removal of the picric acid from
Yamaguchi to Fukuyama.

BY ORDER OF COLONEL SNYDER:

1 Incl added
Release of picric acid
for dyestuff manufacture

CARL P. MAYER
Major, FA
Executive

SEARCHED	<i>AM</i>
SERIALIZED	<i>AM</i>
INDEXED	<i>AM</i>
FILED	<i>AM</i>
30 & T	
142	
Lot 1	

(23)

Md I

HEADQUARTERS
CHUGOKU MILITARY GOVERNMENT REGION
HEADQUARTERS AND HEADQUARTERS DETACHMENT
APO 317

Kure, Honshu

19 June 1948

CMGR 319 (D-Ma)

SUBJECT: Release of Picric Acid for Dyestuff Manufacture

THROUGH: Director
Chugoku Liaison and Coordination Office

TO : Hiroshima Bureau of Commerce and Industry

1. Approval has been received from Headquarters, Eighth Army for the removal of sixty (60) tons of picric acid from the Yamaguchi plant of the Nippon Kayaku KK to their Fukuyama Dyestuffs Works.

2. It is desired that Hiroshima Military Government Team be advised when the picric acid is sent to the Nippon Kayaku KK Fukuyama Dyestuffs Works.

FOR THE COMMANDING OFFICER:

CARL P. MAYER
Major, PA
Executive

RC&I	<i>[Signature]</i>
1/SEC	
2/HR	<i>[Signature]</i>
3/ST	<i>[Signature]</i>
4/L	<i>[Signature]</i>
5/CC	

23

BASIC: Ltr, Hq Hiroshima MG Team, APO 317, file HMGT 319, dtd 18 May 48,
subj: "Release of Picric Acid for Dyestuff Manufacture."

HMGT 441.3

4th Ind.

D/JRF/mn

Headquarters, Hiroshima Military Government Team, APO 317, Kure, Honshu,
12 June 1948

TO: Commanding Officer, Chugoku Military Government Region, APO 317

1. The company has been notified of the contents of the 2nd Indorsement.
2. It is requested that your headquarters notify the Hiroshima Bureau of Commerce and Industry, a regional agency handling distribution of materials, of this action.

THOMAS M. CLOWARD
Lt. Col., USAF
Commanding

23

5756

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COPY

BASIO: Ltr, Hq Hiroshima MG Team, APO 317, file HMGT 319, dtd 18 May 48,
subj: "Release of Picric Acid for Dyestuff Manufacture."

AG 319 (MG-Em)

2nd Ind

Headquarters Eighth Army, APO 343

TO: Commanding Officer, Chugoku Military Government Region, APO 317

Removal of sixty (60) tons of picric acid from the Yamaguchi plant
of the Nippon Kayaku K.K., to their Fukuyama Dyestuffs Works, is approved.

BY COMMAND OF LIEUTENANT GENERAL EICHELBERGER:

/s/t/ R. SCHAFER
Lt Col, AGD
Asst Adjutant General

11-16
Ac VI B

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COPY

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775010

HEADQUARTERS
HIROSHIMA MILITARY GOVERNMENT TEAM
APO 317

D/TCH/ja

EMR

CENTRAL
FILE

18 MAY 48 HMG T 319

File: HMG T 319 Kure, Honshu
18 May 1948
SUBJECT: Release of Picric Acid for Dyestuff Manufacture.
THROUGH: Commanding Officer
Chugoku Military Government Region
APO 317
TO : Commanding General
Eighth Army
APO 343

1. Reference:

Headquarters 8th Army AG 476.86 (MG-EM) 2nd Ind. to letter, Headquarters Yamaguchi Military Government Team, serial No. 1507-B, dtd 8 October 1947, subject: Request for Permission to Reprocess 600 tons of Picric Acid.

2. The Nippon Kayaku K.K., Fukuyama Dyestuff Works, Fukuyama, Hiroshima Prefecture, in order to comply with instructions from GHQ issued in December 1947, is manufacturing dyestuffs for export of textiles. In order to manufacture black sulphide dyes, picric acid is necessary.

3. The picric acid plant of this company is at present a reparations target and manufacture of this acid is not authorized.

4. In order to continue the manufacture of dyes, this company is in need of a years supply, approximately sixty tons. This amount can be procured from the Nippon Kayaku K.K., Asa-cho, Yamaguchi Prefecture, which company received permission in October 1947 from Headquarters 8th Army to reprocess approximately 600 tons of picric acid. (see reference in par. 1) This reprocessing was limited to the manufacture of chloropicrin only for insecticide purposes.

5. In as much as the Fukuyama Nippon Kayaku Co. has only a six months supply of acid on hand (30 tons), it is requested that 60 tons of acid be released from the above restriction as described so as to be available for dyestuff manufacture.

THOMAS H. CLOWARD
Lt. Col., AFUS
Commanding

5064

11-16
MCTB

Present Circumstances of Fukuyama
 Dyestuffs Works, Nippon Kayaku Co., Ltd.

10 May, 1951

1. Name of Company

Head Office : Nippon Kayaku Co., Ltd.

Factory : Fukuyama Dyestuffs Works, Nippon Kayaku Co., Ltd.

a. President or Representative

President : Yasusaburo Hara

Factory Manager: Keijiro Ohta

b. Location

Head Office Location : 15-5, Ichiban-cho, Chiyoda-ku, Tokyo

Factory Location : 1022-1, Irifune-cho, Fukuyama City,
 Hiroshima Prefecture

c. Capital :

¥ 500,000,000.

d. Established(Fukuyama Dyestuffs Works) :

13 November, 1916

2. Total Employed :

	Total Employed		Average Ages
Employees	Male	600	32 Years old
	Female	31	23 "
	Total	631	Average 32 "

3. Average Monthly Wages :

	Average Monthly Wages	
Employees	Male	¥ 14,190.97
	Female	" 7,967.85
	Average	" 13,876.67

VII
 91-11
 INDUSTRY
 11-16

4. Working Hours :

Working Hours		
Clerks	Male	7 hours
	Female	"
Workers	Male	"
	Female	"

Remarks: We work in 3 shifts in one day. One shift is eight hours of which actual working hour is seven hours, and remaining one hour is for rest.

5. Principal Product Manufactured :

Items	Unit	Jan. - Dec., 1950		Products of April, 1951
		Annual Products	Monthly Products	
✓ Sulphur Dyestuffs	Kg	1,777,590	148,132.5	✓ 326,483
Sulphur Vat Dyestuffs	"	42,739	3,561.583	930
✓ Naphthol (D) Dyestuffs	"	55,562	4,630.167	8,920
Basic Dyestuffs	"	7,074	589.5	2,244.6
Dyes for Synthetic Fiber	"	1,332	111	400
Dyestuffs Total	"	1,884,297	157,024.75	✓ 338,977.6
Intermediates	"	1,428,135.1	119,011.258	241,416
Dulcin	"	390	32.5	0
Sodium Sulphide	"	1,068,772	89,064.333	82,758
Grand Total	"	4,381,594.1	365,132.841	✓ 668,151.6

6. Principal Material Used

Items	Unit	Jan.-Dec., 1950		Material Used of Apr., 1951
		Material Used Per Year	Average Used Per Month	
98% Sulphuric acid	Kg	1,210,000	100,833	175,216
98% Synthetic nitric acid	"	750,000	62,500	115,111
Caustic soda	"	470,000	39,166	79,451
Soda ash	"	465,000	38,750	56,492
✓ Sulphur	"	610,000	50,833	Colloid 41,177 99% 74,507
Anhydrous Glauber's salt	"	2,000,000	166,666	193,660
Monochlorobenzene	"	615,000	51,250	102,960
Hydrochloric acid	"	170,000	14,166	18,285
Industrial Salt	"	160,000	13,333	28,320
Pure toluene	"	170,000	14,166	24,034

7. Electricity (Jan. - Dec., 1950)

- a. Average Used Per Month : 197,817 K W H
- b. Average Paid Per Month : ¥ 543,610
- c. Assignment Electricity and Actual Use Quantity (Apr., 1951):

✓ 235,350 K W H 263,400 K W H

(39-1240)

8. Coal (Jan. - Dec., 1950)

- a. Coal Used Per Year : 14,278,977 kg
- b. Average Used Per Month : 1,189,915 "
- c. Actual Use Quantity (Apr., 1951): 1,349,060 kg

9. Others

- a. Labor Union Organized or Not : Organized
- b. Welfare Institution for Employee :

*Organization date
J.C.C. - Feb 1951*

We have 69 houses which are rent to employees, bachelor's
dormitory, dining room, meeting hall, bicycle-yard,
undressing room, bath room, medical office and monetary
circulation system etc.

*division
under
negotiation
Management
& Union.*

Present Circumstances of Reparation Equipments
of Fukuyama Dyestuffs Works, Nippon Kayaku Co., Ltd.

Date : 10 May, 1951

Plant Code No. : 11-16
 Name of Company : Nippon Kayaku Co., Ltd.
 Name of Plant : Fukuyama Dyestuffs Works, Nippon Kayaku Co., Ltd.
 Address of Plant : 1022-1, Irifune-cho Fukuyama City Hiroshima Prefecture
 Industrial Group as in SCAPIN : Private Munition Plant
 Principal War Time Products : Dyestuffs and it's intermediates
 Plant Evaluation Date : (Not Evaluate)
 Present Circumstances :

(a) During the war a portion of the crude picric acid were delivered to the Army by order. However, the Works produced crude picric acid as raw material of sulphur dyes and chlor picrin since long before the war and continued its manufacture during the war also for civilian purposes. The percent of the production is 55% for the Army, 45% for the civilian use.

By the Army's order the crude picric acid plant has been modified in 1945. The most part of this equipments were lent to the Works from the Army. But on completion of the plant's construction the war ended and no operation made.

At present our Works have the reparation equipments of crude picric acid (Code No. from 11-16-1 to 11-16-36) and two machinetools { "U" mark, Code No. from 11-5(139)-1 to 11-5(139)-2 } that were disposed from the Kure Naval Arsenal after the war.

(b) We were designated as a munition factory for a subject of reparation on 24th Aug. 1946 and duly instructed with regard to the custody and preservation of the factory.

But we had been engaged in manufacturing of dyestuffs and intermediates even during the war-time and delivered only crude picric acid being a material of sulphur dyes to military concern and the quantity was very small compared to the whole dyes production of our Works, because in accordance with Serial No.7-511 from Hiroshima Military Government Team, dated 26 Feb. 1947 our Works has been removed from reparations list with the exception of thirty-six equipments (Code No.11-16) for manufacturing of Crude picric acid and two machinetools { Code No.11-5(139) }

(c) Regarding to the above mentioned two machinetools { Code No.11-5(139) } we were permitted to put "U" mark and to operate them in accordance with the instruction (Kure Kan No.40, dated 14th Jan. 1948) which was issued from G.H.Q. through Kure Branch office of Hiroshima Financial Bureau.

We received a notice from Chugoku Civil Affairs Region on 26th Sept. 1949 that thirty-six equipments-(Code No.11-16) for manufacturing Crude picric acid were given conversion permit from Economic and Scientific Section, G.H.Q., dated 8th Sept. 1949.

However, as we had had some stock of crude picric acid at that time, we have not needed to operate the crude picric acid ~~that~~ until now. But our present stock of crude picric acid decreased to 96 ton. It is our only for four month quantity of using, because we use crude picric acid of 23 ton for a month (13 ton at Fukuyama Works and 10 ton at Kokura Works). Owing to the above mentioned reason, we are intending to adjust the equipments of crude picric acid plant and operate the plant from about July.

775010

The List for Machine, Apparatus and Equipment of Each Plants

Name of Equipments	Code No. of Inventory Sheet	Name of Machine and Apparatus	Class	Division of Owned
<i>(in Picric acid plant)</i>	11-16-1	Centrifugal Machine	1	State Owned
	11-16-2	"	2	"
	11-16-3	"	1	"
	11-16-4	"	1	"
	11-16-5	Moter with Reducer	1	"
	11-16-6	"	1	"
	11-16-7	"	1	"
	11-16-8	Centrifugal Pump with Moter	1	"
	11-16-9	"	1	"
	11-16-10	Nitrater	2	"
	11-16-11	"	2	"
	11-16-12	Desulphurater Tank	1	"
	11-16-13	"	1	"
	11-16-14	Acid Measuring Tank	1	"
	11-16-15	"	1	"
	11-16-16	"	1	"
	11-16-17	Tank	1	"
	11-16-18	"	1	"
	11-16-19	"	1	"
	11-16-20	"	1	"
	11-16-21	"	1	"
	11-16-22	Waste Acid Measuring Tank	1	"
	11-16-23	"	1	"
	11-16-24	Mixed Acid Kettle	1	Privately Owned
	11-16-25	Mixed Acid Montejus	1	"
	11-16-26	Washing Bath	2	"
	11-16-27	"	2	"
	11-16-28	Waste Acide Treating Tank	2	"
	11-16-29	"	2	"
	11-16-30	Waste Acid Stock Tank	1	"
	11-16-31	Waste Acid Montejus	1	"
	11-16-32	"	1	"
	11-16-33	"	1	"
	11-16-34	Mixed Acid Measuring Tank	1	"
	11-16-35	"	1	"
	11-16-36	Sulphuris Acid Montejus	1	"
<i>(Repairing Equipments)</i>	11-5(139)-1	Lathe	2	State Owned
	11-5(139)-2	Drilling Machine	1	"

36- { 23
40
Owned
113
cml

A.U. 2