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Civil Affairs Section
Kyushu Civil Affairs Region
Subject File
1946-48

Coal Mines 463.3

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GHQ/SCAP Records (RG 331, National Archives and Records Service)

Description of contents

(1) Box no. 3119

(2) Folder title/number: (1)
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Outline of Takasima Coal Mine

Sept. 1949

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I Situation & Communication

	Situation	Communication
Main Office	About 14,000 meters South of the port of Nagasaki	One hour from Nagasaki by private vessels
Futago Pit	the same as the Above	the same as the Above
Hashima Pit	About 4,000 meters South-West of Takasima	About 20 minutes from Takasima by private vessels

II Area & Length of coast-line

	Area	Length of coast-line
Takasima (includes Futago)	234.5 acre	3.8 mile
Hasima	15.52 acre	0.75 mile

III History

About 240 years ago, Goheida, a native of Hirado, discovered the coal on the Taka-sima and so in these districts coal was known as "Goheida" after the name of the discoverer. In those early days, coal

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was chiefly used for domestic purposes b.t. sometimes it was sold as a fuel in salt works in Inland Coast or to foreign steamers visiting Nagasaki.

In 1866, by Gruber (Englishman) the mine was developed in Western style.

By new mechanical equipment firstly imported from Europe, the first shaft sinking (depth (45 meters) was carried out in Takasima village.

In 1881, the mine was transfered to Mitsubishi Mining Company Ltd from Government.

Ⅳ Mining concession & Coal reserve

total area ..... 5,760 acres

	Geological Coal Reserve	Workable Coal Reserve
Futago	357.109.000 ton	13.905.000 ton
Hasima	127.765.000	14.037.000
Total	484.874.000	27.942.000

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V Coal bearing bed 1 Quality of coal

a. Geology

The geological age of this coal field is said to be Pretertiary.

Crystalline rock (Sanbagawa Series) and diorite, consisting Nomo Peninsular, which is the base rock of this area, are covered unconformably by sedimental rock.

The strata developed in this area are as follows :—

Iwojima strata
Takasima strata (coal bearing bed)
Futagojima strata
Akazaki strata (the lowest)

Akazaki strata is consisted of conglomerate, conglomeratic sandstone, sandy-shale and shale. The development of purple red or blue green coloured shale called "Purple earth" is conspicuous in this area.

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Futagojima strata is consisted of green sandstone but shale, carbonaceous shale are found in this strata too, then coal seam is absent.

Takasima strata, consisted of conglomerate conglomeratic sandstone, sandy mudstone and coal seams, is the principal coal bearing bed in Takasima coal field and conformably overlie Futagojima strata. The strata range in thickness from 200 meters to 300 meters and there are sixteen seams among which seven seams are capable of being worked.

At Takasima they strike generally "NEE." and dip towards "NWW." at an angle of 20 ~ 25° on the north-eastern part of this island and 30 ~ 50° at the south-western part but the dip is more steep, at Hasima reaching 60 ~ 70° at the south western part of this island

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b. Quality of coal and its uses

Takasima coals belong to high bituminous coal and are said to be the best in Japan.

Their analyses are as follows:—

Name of coal seam	moisture	volatile matter	fixed carbon	ash	sulphur	phosphor	Calorie
Uwahasshaku	0.49 %	38.47	56.80	4.24	0.71	less than 0.02	8245
Gomagoshaku	1.20	40.53	53.91	4.36	0.45	"	8160
Bantogo-shaku	1.13	40.15	53.48	5.20	0.51	"	8050
Gamesanjaku	0.96	30.52	54.40	6.12	0.62	"	8020
Juhkasshaku	1.26	40.20	53.52	5.02	0.50	"	8060
Shingoshaku	1.28	39.86	52.16	6.70	0.83	"	7920
Ichijo	0.98	39.02	55.58	4.42	0.64	"	8140

- Nature of Cokes : caking power ..... strong
  swelling ..... large
- Ash : colour ..... light brown or brown.
  solubility point ..... 1200°C
- Specific gravity of coal ..... 1.24 ~ 1.26

They are used for Coke manufacturing and gas generating furnace.

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C. Name of Coal seam worked at present

Name of coal seam		Height of coal bearing bed	Height of coal seams
F	Juhhasshaku	4.20 m	4.20 m
	Shingoshaku	3.44	2.44
H	Bantogoshaku	1.80	1.80
	Gamesanjaku	1.20	1.20
	Yonmai	6.68	2.00

VI Table of Production, Laboured Efficiency (since 1942)

	Production	Men on the list			% of attendance	Efficiency	
		underground	surface	Total		ton/man/shift (underground)	TC/man/month (Total)
1942	685.000	3008	1557	4565	82.0	25.6	12.50
1943	645.000	2988	1829	4817	83.8	23.9	11.16
1944	486.100	3073	2035	5108	85.8	17.5	7.93
1945	176.900	1805	1729	3534	77.5	11.8	4.17
1946	209.500	2084	1973	4057	85.0	10.9	4.30
1947	311.680	2833	1876	4709	82.7	12.8	5.50
1948	361.900	2785	1924	4709	81.9	14.2	6.40

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Latest output

		Futago	Hasima	Total	Instructions
1949	1	19200	10.800	30000	32.000
"	2	20.500	11.600	32.100	30.700
"	3	25.700	14.300	40.000	34.300
"	4	21.100	11.600	32.700	33.500
"	5	5.100	4100	9.200	32.500
"	6	21.200	14.000	35.200	32.500
"	7	21.000	12.400	33.400	32.700
"	8	20.200	10.000	30.200	30.800
"	9				32.700
"	10				
"	11				
"	12				
1950	1				
"	2				
"	3				

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VII Main Equipment

	Name of machin	number	Total K·W·H	the remarks column
Mining	Drill	60		
	Auger	16		
	Coal pick	400		
	steel props	600		
Haulage	Winder for shaft	4	2507	Hoisting (2nd Shaft 2000HP; 4th Shaft 450HP)
	Winder for incline	9	1865	Futago (1st Incline 200HP; 2nd " 150HP)
	Face conveyor	28	360	chain or belt conveyor.
	Level conveyor	28	534	endless
	Trolley locomotive	8		F. 6T x 4 H. 5T x 4
	Battery locomotive	3		H. 5T x 3
	Mine car (wooden)	70		
	Mine car (steel)	1280		1 ~ 1.3 m^3
	Man car (20)	6		
Ventilation	Main fan	3	950	F. 500 K.W. turo-fan H. 225 K.W. Turbo fan
	Local fan	26	148	
Drainage	Pump	26	4350	Turbin pump F 2.1 m^3/min H 5.8 m^3/min
Air Compressor	Air compressor	13	2450	F 400, 300, 150, 100 HP H. 500 HP x 2, 150 HP

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	Name of machine	Number	Total K.W.H.	the remarks column
Dressing	Picking belt	4		
	Coal washer	4		Baum Washer 100T x 2, 60T x 2
Shipment	Loading machine	2		300T/H
Power	Generator 7000 KW	1		for private power station
	Generator 3000 KW	2		
	Boiler	3		
	Cycle dunger	1		for recieving power

VIII Characteristic of Takasima Coal Mine

As has been previously mentioned, quality of Takasima coal is so superior, as even raw coal has about 8000 Calorie and its contents of sulphur and ash are only a few per cent, that its demand for coke manufacturing or gas generating furnace is large and urgent. But there are many difficulities in ventilation, haulage,

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and surface equipments as these natural resources must be prospected and developed from the small island as a only cardinal point.

a. Futago Pit

There are many bad conditions in the "Juhhasshaku" seam; the main seam. i.e. it is abundant of explosive gas and coal dust and the amount of the fire damp issued from the area of "Juhhasshaku" seam driving. reached almost 10 m^3/min and it has a tendency of spontaneous combustion. And the earth pressure in "Juhhasshaku" seam mining area is so strong that 12~15 timber men are always required at the level of them.

Accordingly, next counter measures are adapted.

(i) Close up & early abondonment of unused level

(ii) Adaptation of rock tunnel driving

(iii) Prevention of leakage (use of clay in filled place)

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[iv] Adaptation of long wall retreating

[v] Improvement of ventilation

To increase the effective air quantity and have new working faces, the alteration of air way was carried out on 10th July 1949. then the air travels along No1 and No.2 Incline as intake and returns along "Kakise" shaft using the 500 KWH Turbo fan.

Contents of CH_4 gas in exhausted air (4050 m^3/min) are 0.5 %.

b. Hasima Pit

On August 1945, the pit was flooded and devastated due to the destruction, attacked by air raid, but the drainage work was speedily completed in April 1947, and the exploiting work has been continued in "deep section..

Dip of coal seam is steep (about 60~70°) and quality of coal is more brittle than Fitago.

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And the abundance of explosive gas and coal dust, the danger of gas out-burst are are same as Futago pit.

In addition to such bad condition is, Hasima is the deepest mine in our country (770 m. below sea level) and temperature and humidty are so high and severe that we can't expect longer time working and we must take measures for them.

For the reason of the narrowness of the utilizing place, it is a question too that the labourers can't be employed and can't marry.

IX Introduction of plan of development in Takasima Coal Mine

Owing to removal of the working face to the deep side and inadequate capacity of present hoisting facilities of Futago "1 st Incline, out-put of Futago Pit has been limited to 20,000 ton/month., but

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in March 1950 when the surface equipment of Kakise shaft, will accomplish, our output increase to increase to 30,000 ton/M by changing the "2nd. Incline, which is now for men, to exclusive for coal.

However, sub-permanent exploiting plan is newly necessary to develope the excellent quality of Takasima coal amount to 300,000,000 tons which is sleeping under the sea.

There-upon, it is now taken consideration of sinking the new shaft which will be one of the largest scale in our country, (depth to -600 m, dia. 7.5m)

By the accomplishment of this shaft it is planned to connect the Hasima Pit with Futago and to exploit newly the North-West "Tobisima. section and then to secure 1,000,000 ton/year from the both pit.

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Another various studies which are practiced or will be done are as follows.

i Improvement & modernization of underground mechanization.

ii Electric car transportation in the main entry

iii Utilization of steel props in the longwall working face for saving the timbers

iv Investigation and study of car loader

v Adaptation of "Clover leaf" burn cut.

vi Study of coal buster & cutter

vii Investigation of cardox, Jumbo and duckbill etc.

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発電所並受電状況の概要説明

Outline of thermal plants & electric receiving.

高島礦業所 Takashima coal mine.

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高島砿業所 発電所並受電状況の概要説明　昭24.7.10

高島炭坑は従来地理的條件からその使用電力の全部を自家発電によつて賄つて来た。現在の施設は昭和14年5月に建設したもので出力は7,000キロワットである。建設当時は商品価値のない、S.N.C. 微焼炭を使ふ様に設計されたものであつた この微焼炭」は現在では全然産出しないやうになり又沈澱微粉炭も産出量が少く発電所用として足りない為止むを得ずコークス原料炭を使用してゐる。受電計画も早くから立案して居つたが海底ケーブルに技術的な不安があつたので現在迄仲々布設出来なかつたが漸く昭和23年1月受電設備も完了して引續き受電を予定して居たが電力事情が悪化した為に契約は2,900K.Wであるが発電所故障時だけの電力(月平均390K.W)だけしか受電して居ない。契約一ぱいの受電したのであるが、

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今迄の受電枠を増加するのは相当に困難な状態にある。尚将来受電設備の3,000 KW サイクルチェンジャーを更に1台増設したい。此際に受電枠の増加に相当の難色があると思はれるが崎戸炭坑の1万キロプラントが明年中に完成する予定であるから崎戸の発電増加分だけを高島の受電分として繰替へることも考慮中である。

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発電所汽缶炭分析表

昭和24年第一四半期

分析は2日に1回 表は月平均品位

月	湿分 %	水分 %	揮発分 %	固定炭素 %	灰分 %	発熱量 kcal/kg
4	2.40	1.18	31.65	49.07	18.10	6,700
5	5.20	2.31	30.87	48.35	18.47	6,660
6	3.40	1.20	32.33	49.32	17.15	6,780

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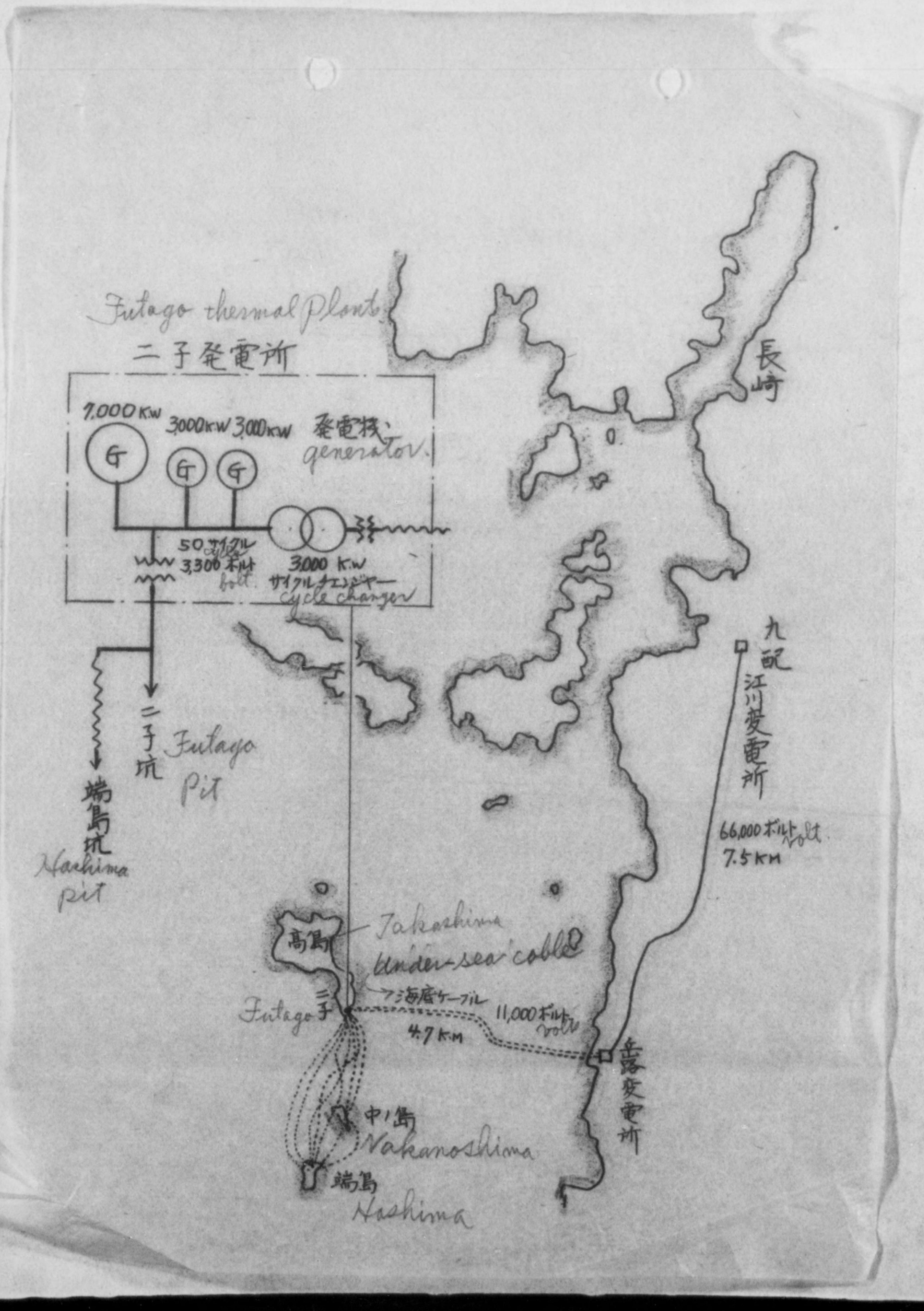

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(Expectation of 1949.)

1950
1950

昭和25年度の予想は次の通りである。

of production
(Output) 出炭量 450,000 ㌧

(Coal for thermal power use) consumption at Steam Power station
発電所用炭 47,000 ㌧ Marked coal 3.5%

Electric power Quantity of electric power Average.
使用電力量 35,000,000 K.W.H (平均4,000kw)

Consumption per ton
比当電力量 77.8 KWH/㌧
Electric power per ton

82

Takashima Mine

生産関係調査團資料

昭和二

高島礦

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関係

昭和二十四年五月十一日

高島礦業所二子坑

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鑛區炭量表

登錄番號			面積(坪)	確定炭量(有收炭量)	埋藏理論炭量	合計
採掘	二子	832号	4888.980	10869.000	106.107.000	116.976.000
		85-8"	982.000	3036.000	55 423.000	58.459.000
	端島	833"	2.161.300	14.037.000	102.750.000	116.787.000
	計		8.032.280	27.942.000	264 280.000	292.222.000
試掘	二子	4322号他5	6180.560	—	220.594.000	220.594.000
合計			14.212 840	27.942.000	484 874.000	512.816.000

掘進成績表

		23/4	5	6	7	8	9	10	11	12	24/1	2	3
岩石	延米	227.45	290.95	234.33	217.63	152.10	146.76	116 85	140.75	197.20	225.20	257.85	309.35
	千瓦当延米	13.25	15.94	12.94	12.02	13.0	7.76	5.84	7.28	10.37	11.72	12.58	12.04
沿層	延米	173.25	162.40	136.60	150.20	81.60	175.20	227.55	144.80	216.50	235.90	307.15	328.70
	千瓦当延米	10.09	8.90	7.54	8.29	6.97	9.26	11.37	7.50	11.39	12.28	14.98	12.79
計	延米	400.70	453.35	370.93	367.83	233.70	321.96	344 40	285 55	413.70	461.10	565.00	638.05
	千瓦当延米	23.34	24.84	20.48	20.31	19.97	17.02	17 21	14.78	21.76	24.00	27.56	24.83

重要資材使用量

坑木火薬使用量

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	延米	13.25	15.94	12.94	12.02	13.0	7.76	5.84	7.28	10.37	11.72	12.58	12.04
沿層	延米	173.25	162.40	136.60	150.20	81.60	175.20	227.55	144.80	216.50	235.90	307.15	328.70
	千㎥当延米	10.09	8.90	7.54	8.29	6.97	9.26	11.37	7.50	11.39	12.28	14.98	12.79
計	延米	400.70	453.35	370.93	367.83	233.70	321.96	344.40	285.55	413.70	461.10	565.00	638.05
	千㎥当延米	23.34	24.84	20.48	20.31	19.97	17.02	17.21	14.78	21.76	24.00	27.56	24.83

重要資材使用量

坑木火薬使用量

		23/4	5	6	7	8	9
坑木(石)	使用量	5.628	6.707	6.562	5.403	5.793	6,172
	仝比當	0.328	0.368	0.363	0.299	0.495	0.327
	比当経費	98.63	118.74	117.70	130.24	163.58	143.46
火薬(kg)	使用量	22297.5	20.61	1,723.60	2.647.5	927	1,480.5
	仝比當	0.130	0.113	0.095	0.125	0.079	0.078
	比当経費	10.91	10.51	8.68	13.16	9.00	24.02
		23/10	11	12	24/1	2	3
坑木(石)	使用量	5.679	4.570	5.415	4.697	4.238	5.493
	仝比當	0.283	0.236	0.285	0.298	0.206	0.213
	比当経費	109.02	116.16	137.36	128.04	103.10	97.93
火薬(kg)	使用量	974.25	1.543.50	2.164.375	2234.25	2528.875	2613.25
	仝比當	0.048	0.079	0.113	0.116	0.123	0.097
	比当経費	15.15	17.09	24.92	25.61	26.97	21.31

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年度別出炭人員能率表

項目 ＼ 年度別			昭和15	16	17	18	19	
出炭	一年當		649.000	691.000	685.000	645.000	486.100	
	一月當		54.083	57.583	57.083	53.750	40.508	
	一日當		2.061	2.207	2.168	2.012	1.468	
出炭1000瓲当極進距離		岩石						
		沿ア						
人員	坑内夫	直接夫		1.956	2.215	1.984	1.915	
		間接夫		669	790	1.004	1.158	
		計	2.289	2625	3008	2.988	3.073	
	坑外夫		1.050	1303	1.547	1.829	2.035	
	全礦夫		3.339	3.928	4.565	4817	5.108	
	職員※	事務		229	247	261	288	
		技術		117	126	131	154	
		計		346	373	392	442	
	全礦夫対坑内夫比		68.6	66.8	65.9	62.0	60.2	
	職員一人当労務者数			11.4	12.2	12.3	11.6	
能率	在籍全礦夫一人一月当		16.20	14.66	12.50	11.16	7.93	
	実働坑内夫一人一日当		1.03	0.95	0.92	0.85	0.59	
	実働切羽人員一人一日当		2.59	2.46	2.34	2.12	1.52	

※ 自16年至19年ハ資料不明、為 事務＝坑外

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率表

二子端島炭坑合計

7	18	19	20	21	22	23 上期	23 下期	23 計
00	645.000	486.100	176.900	209.500	311.680	165.000	196.900	361.900
83	53.750	40.508	25.271	17.458	25.974	27.500	32.817	30.158
68	2.012	1.468	847	680	1.002	1.071	1.279	1.175
				9.8	76	10.2	12.79	11.75
				173	12.0	12.5	16.8	14.7
18	1.984	1.915	1.458	1.296	1677	1639	1.643	1.641
0	1.004	1.158	347	788	1.156	1123	1166	1144
8	2.988	3.073	1.805	2084	2833	2762	2.809	2785
7	1.829	2.035	1.729	1.973	1.876	1.936	1.911	1.924
5	4.817	5.108	3534	4.057	4.709	4.698	4.720	4.709
7	261	288	142	139	137	139	151	145
6	131	154	298	255	253	241	252	247
3	392	442	440	394	390	380	403	392
9	62.0	60.2	51.1	51.5	53.5	58.7	59.5	59.1
2	12.3	11.6	8.0	10.3	12.1	12.4	11.7	12.0
0	11.16	7.93	4.17	4.30	5.52	5.85	6.95	6.40
2	0.85	0.59	0.46	0.41	0.51	0.50	0.60	0.55
4	2.12	1.52	1.35	1.37	1.44	1.76	2.10	1.93

不明ノ為　事務ニ坑外　技術ニ坑内トス

DECLASSIFIED E.O. 12065 SECTION 3-402/NNDG NO. 775013

年度別人員出炭能率表

項目 ＼ 年別			昭和15	16	17	18	19	
出炭	一年當		264.200	279.900	297.400	287.100	243.100	95
	一月當		22.016	23.325	24.783	23.925	20.258	13
	一日當		839	894	941	894	734	
出炭1000t当掘進距離(m)		岩石	5.0	4.2	2.0	2.3	4.4	
		沿ア	20.8	20.4	13.4	16.3	13.8	
人員	坑内夫	直接夫	887	958	1,019	1.010	983	
		間接夫	112	276	504	492	664	
		計	999	1234	1.523	1502	1647	
	坑外夫		718	876	1092	1.193	1310	
	全砿夫		1717	2110	2.615	2695	2957	2
	職員※	事務		155	174	187	202	
		技術		68	73	75	83	
		計		223	247	262	285	
	坑内夫対全砿夫比		57.4	58.2	58 2	55.7	55.7	
	職員一人当労務者数			9.5	10.6	10.3	10.4	
能率	在籍全砿夫一人一月当		12.82	11.05	9.48	8.88	6.85	
	実働坑内夫一人一日当		0.87	0.81	0.82	0.78	0.58	
	実働功羽人員一人一日当		2.10	2.06	2.09	1.81	1.50	

※職員数＝シテ自16年至19年ハ資料不明ノ為 事務＝坑外 技術

DECLASSIFIED E.O. 12065 SECTION 3-402/NNDG NO. 775013

率表

二子炭坑

	18	19	20	21	22	23		
						上期	下期	計
00	287.100	243.100	95.055	129.400	185.610	102.200	123.700	225.900
83	23.925	20.258	13.679	10.783	15.468	17.033	20.617	18.825
1	894	734	455	420	595	664	803	733
0	2.3	4.4	7.1	13.4	11.3	12.4	9.5	10.6
4	16.3	13.8	20.8	18.6	9.5	8.6	11.6	10.1
9	1.010	983	752	697	945	946	991	969
4	492	664	219	410	658	627	638	632
3	1502	1647	971	1107	1603	1573	1629	1601
2	1193	1310	1127	1233	1178	1196	1202	1199
5	2695	2957	2098	2340	2781	2769	2831	2800
1	187	202	103	100	99	95	104	100
3	75	83	174	146	147	149	158	153
7	262	285	277	246	246	244	262	253
2	55.7	55.7	48.0	48.1	51.8	56.8	57.5	57.2
3	10.3	10.4	7.6	9.5	11.3	11.3	10.8	11.1
8	8.88	6.85	3.78	4.61	5.56	6.15	7.28	6.72
2	0.78	0.58	0.50	0.49	0.54	0.55	0.64	0.60
9	1.81	1.51	1.30	1.64	1.44	1.68	1.93	1.81

不明：為 事務＝坑外 技術＝坑内1人

DECLASSIFIED E.O. 12065 SECTION 3-402/NNDG NO. 775013

昭和23年度出炭人員能率表

項目 / 月別	出炭			稼働日数	在籍人員			
					坑内夫			
	事業計画	指令	実績		直接夫	間接夫	計	坑外
4	28,000	29,100	28,155	25	1671	1089	2760	19
5	28,000	29,300	28,545	25	1646	1105	2751	19
6	28,000	29,100	29,100	26	1626	1128	2754	19
1/4 計	84,000	87,500	85,800	26	1648	1106	2754	19
7	28,500	28,500	27,700	27	1634	1121	2755	19
8	26,300	26,100	21,500	25	1630	1143	2773	19
9	27,700	26,500	30,000	26	1626	1152	2778	19
2/4 計	82,500	81,100	79,200	78	1630	1139	2769	19
上期計	166,500	168,600	165,000	156	1639	1123	2762	19
10	30,500	30,400	32,000	26	1598	1174	2772	19
11	31,500	31,000	31,100	26	1608	1159	2767	19
12	32,000	34,300	31,700	26	1654	1164	2818	19
3/4 計	94000	95,700	94800	78	1620	1166	2787	19
1	31,500	32,000	30,000	25	1710	1132	2842	18
2	29,500	30,700	32,100	24	1695	1146	2841	19
3	33,500	34,300	40,000	27	1677	1139	2816	19
4/4 計	94,500	97,000	102,100	76	1693	1140	2833	19
下期計	188,500	192,000	196,900	154	1643	1166	2809	19
年計	355,000	361,300	361,900	308	1641	1144	2785	19

DECLASSIFIED E.O. 12065 SECTION 3-402/NNDG NO. 775013

人員能率表

二子 端島 合計

在籍人員					坑内夫対全坑夫	稼働率%		出炭能率		
坑内夫			坑外夫	合計		坑内	坑外	在籍一人一月当	実働坑内夫一人一日当	切羽人員一人一日当
直接夫	間接夫	計								
1671	1089	2760	1952	4710	58.6	77.3	93.2	5.98	0.53	1.81
1646	1105	2751	1954	4705	58.5	28.5	93.4	6.07	0.53	1.84
1626	1128	2754	1944	4698	58.6	75.7	93.6	6.19	0.54	1.82
1648	1106	2754	1950	4704	58.5	77.2	93.4	6.08	0.53	1.82
1634	1121	2755	1928	4683	58.8	76.1	93.5	5.92	0.49	1.66
1630	1143	2773	1916	4689	59.2	71.3	93.3	4.59	0.43	1.57
1626	1152	2778	1926	4704	59.1	80.1	93.8	6.38	0.52	1.82
1630	1139	2769	1923	4692	59.0	75.9	93.5	5.63	0.48	1.69
1639	1123	2762	1936	4698	58.8	76.5	93.5	5.85	0.51	1.76
1598	1174	2772	1933	4705	58.9	77.11	91.6	6.80	0.57	2.05
1608	1159	2767	1916	4683	59.1	77.9	91.7	6.64	0.55	1.96
1654	1164	2818	1909	4727	58.6	73.6	89.7	6.71	0.59	2.04
1620	1166	2787	1919	4706	59.2	76.3	91.7	6.72	0.57	2.02
1710	1132	2842	1894	4736	60.0	75.0	92.6	6.33	0.56	2.00
1695	1146	2841	1903	4744	59.9	76.8	92.7	6.77	0.61	2.24
1677	1139	2816	1907	4723	59.6	77.7	93.0	8.47	0.68	2.30
1693	1140	2833	1901	4734	59.8	76.6	92.8	7.19	0.62	2.19
1643	1166	2809	1911	4720	59.5	76.4	92.2	6.95	0.60	2.10
1641	1144	2785	1924	4709	59.1	76.5	92.9	6.40	0.55	1.93

DECLASSIFIED E.O. 12065 SECTION 3-402/NNDG NO. 775013

昭和23年度出炭人員能率表

項目 / 月別	出炭			稼働日数	在籍人員			
					坑内夫			坑外夫
	事業計画	指令	実績		直接夫	間接夫	計	
4	17.000	18,100	17.155	25	940	618	1.558	1205
5	17.000	18.200	18,245	25	942	618	1.560	1205
6	17.000	18,100	18,100	26	952	617	1.569	1197
1/4 計	51.000	54.400	53.500	76	945	617	1.562	1202
7	17.500	18,100	18,100	27	953	620	1573	1193
8	16,300	16.500	11.700	25	950	638	1,588	1183
9	17.200	16,800	18.900	26	941	649	1590	1195
2/4 計	51,000	51,400	48.700	78	948	636	1584	1190
上期計	102,000	105.800	102.200	154	946	627	1573	1196
10	19,000	18.800	20,000	26	929	657	1586	1202
11	20,000	19,200	19.300	26	948	642	1590	1207
12	20,000	21.200	19,000	26	984	650	1634	1204
3/4 計	59,000	59,200	58.300	78	954	650	1604	1204
1	19,500	20,000	19,200	25	1030	625	1655	1192
2	18,500	19.200	20,500	24	1023	637	1660	1201
3	21.000	21,500	25.700	27	1035	616	1651	1204
4/4 計	59,000	60.700	65.400	76	1029	627	1656	1198
下期計	118,000	119.900	123.700	154	991	638	1629	1202
年計	220,000	225,700	225.900	308	969	632	1601	1199

DECLASSIFIED E.O. 12065 SECTION 3-402/NNDG NO. 775013

表　　二子炭坑

在籍人員					坑内夫対全弘夫	稼働率%		出炭能率		
坑内夫			坑外夫	合計		坑内	坑外	在籍全弘夫一人一月當	實働坑内夫一人一日當	切羽人、實働一人一日當
夫	間接夫	計								
40	618	1.558	1205	2763	56.4	76.2	92.6	6.21	0.58	1.70
42	618	1.560	1205	2765	56.4	77.1	93.3	6.59	0.61	1.78
52	617	1.569	1197	2766	56.7	74.6	93.4	6.54	0.60	1.76
45	617	1.562	1202	2764	56.5	76.0	93.1	6.45	0.59	1.75
53	620	1573	1193	2766	56.9	75.7	93.0	6.54	0.56	1.67
50	638	1.588	1183	2771	57.4	69.3	93.1	4.22	0.42	1.44
41	649	1590	1195	2785	57.1	80.8	93.7	6.79	0.57	1.72
48	636	1584	1190	2774	57.1	75.5	93.6	5.85	0.52	1.62
46	627	1573	1196	2769	56.8	75.7	93.3	6.15	0.56	1.68
29	657	1586	1202	2788	56.9	79.4	93.7	7.17	0.63	1.90
48	642	1590	1207	2797	56.8	78.1	90.9	6.90	0.60	1.81
84	650	1634	1204	2838	57.6	75.4	89.0	6.69	0.59	1.77
54	650	1604	1204	2808	57.1	76.8	91.2	6.92	0.61	1.82
30	625	1655	1192	2847	58.1	28.3	92.7	6.74	0.59	1.79
23	637	1660	1201	2861	58.0	78.0	92.8	7.17	0.66	2.15
35	616	1651	1204	2855	57.8	77.1	92.4	9.00	0.75	2.18
29	627	1656	1198	2854	58.0	77.8	92.7	7.66	0.67	2.04
91	638	1629	1202	2831	57.5	77.3	91.9	7.28	0.64	1.93
49	632	1601	1199	2800	57.2	76.5	92.6	6.72	0.60	1.81

DECLASSIFIED E.O. 12065 SECTION 3-402/NNDG NO. 775013

23年度4/4半期出炭実績

二子坑

月別	稼働日数	出炭 指令	出炭 実績	出炭 〃一日当	出炭 増減(月)	坑内夫稼働率	増減理由
1	25	20.000	19.200	768	-800	78.3%	① 坑内電車新設ニヨリ不良炭車増名，為函廻リ不良(-300㎧) ② 正月明ケ，入坑不良(3日59.2% 4日70.8% 5日72.0% 6日75.8%)(-500㎧)
2	24	19.200	21.500	854	⊕1.300	78.0	① 選炭機改修，為未選送炭ヲナス.
3	27 外ニ公休作業4方	21.500	25.700	900	⊕4.200	77.1	① 選炭機改修，為未選送炭ヲナス.(+2970㎧) ② 公休出炭(4日) 1230㎧増名.

24年度1/4半期出炭実績及見込

二子坑

月別	稼働日数	出炭 指令	出炭 実績並見込	出炭 〃一日当	出炭 増減(月)	坑内夫稼働率	増減理由
4	26	21.000	実績 21.100	815	⊕100	73.5%	
			予想				① [illegible]

DECLASSIFIED E.O. 12065 SECTION 3-402/NNDG NO. 775013

24年度1/4半期出炭実績及見込

二子坑

月別	稼働日数	出炭 指令	出炭 実績 並見込	出炭 〃一日当	出炭 増減(月)	坑内夫稼働率	増減理由
4	26	21,000	実績 21,100	815	⊕100	% 73.5	
5	21	20,000	予想 16,800	800	⊖3,200	800	① ストライキ日数ヲ5日間トミナス 故ニ稼働日数21日トナル ② 5月以降選炭ヲ開始シ未選送炭ヲ中止ス
6	26	20,000	努力目標 22,000	845	⊕2,000	83.0	① 入坑率ノ向上ヲ計ル
計	73	61,000	59,900		⊖1,100		第一、四半期減産ハ第二、四半期ニテ取戻ス予定

標準能率及4月能率

標準能率　0.292 t/日/1人

能　率　0.2848 t/日/1人（遂行率 97.5%）

DECLASSIFIED E.O. 12065 SECTION 3-402/NNDC NO. 775013

昭和24年4月中出炭表

高島鉱業所

日附	二子坑				端島坑				合計			
	豫算	出炭	累計	増減	豫算	出炭	累計	増減	豫算	出炭	累計	増減
1	807	777	777	-30	481	303	303	-178	1.288	1.080	1.080	-208
2	1614	663	1440	-174	962	326	629	-333	2.576	989	2069	-507
③												
4	2421	681	2121	-300	1.443	369	998	-445	3.864	1050	3.119	-745
5	3.228	768	2889	-339	1.924	385	1383	-541	5.152	1153	4272	-880
6	4.035	811	3,700	-335	2,405	431	1814	-591	6,440	1,242	5514	-926
7	4842	783	4483	-359	2.886	422	2236	-650	7.728	1,205	6.719	-1009
8	5.649	874	5.357	-292	3.367	456	2692	-675	9016	1.330	8049	-967
9	6.456	737	6094	-362	3.848	407	3099	-749	10.304	1.144	9193	-1111
⑩												
11	7.263	823	6917	-346	4.329	412	3511	-818	11.592	1.235	10428	-1164
12	8.070	879	7.796	-274	4810	524	4035	-775	12,880	1.403	11.831	-1049
13	8.877	737	8.533	-344	5,291	420	4455	-836	14168	1157	12.988	-1180
14	9.684	768	9.201	-383	5,772	412	4867	-905	15.456	1.180	14,168	-1288
15	10.491	756	10.057	-434	6,253	389	5.256	-997	16,744	1.145	15.313	-1431
16	11298	737	10.794	-504	6,734	333	5.589	-1.145	18.032	1.070	16.383	-1639
⑰												
18	12015	681	11.475	-630	7.215	440	6.029	-1186	19.320	1.121	17.504	-1816

(10)													
11	7.263	823	6.917	-346	4.329	412	3.511	-818	11.592	1.235	10.428	-1164
12	8.070	879	7.796	-274	4810	524	4035	-775	12.880	1.403	11.831	-1049
13	8.877	737	8.533	-344	5,291	420	4455	-836	14168	1,157	12.988	-1180
14	9.684	768	9.201	-383	5,772	412	4867	-905	15.456	1.180	14,168	-1288
15	10491	756	10.057	-434	6,253	389	5.256	-997	16.744	1.145	15,313	-1431
16	11.298	737	10.794	-504	6,734	333	5,589	-1.145	18.032	1,070	16.383	-1639
(17)												
18	12015	681	11.475	-630	7.215	440	6.029	-1186	19.320	1.121	17.504	-1816
19	12.912	769	12.244	-668	7696	429	6.458	-1.238	20.608	1.198	18,702	-1906
20	13.719	959	13.203	-516	8.177	441	6.899	-1278	21.896	1.400	20.102	-1794
21	14526	870	14073	-453	8,658	589	7.488	-1.178	23,184	1.459	21.561	-1623
22	15333	715	14788	-545	9139	533	8021	-1.118	24472	1.748	22809	-1663
23	16140	768	15.556	-584	9,620	465	8486	-1134	25,760	1233	24,042	-1718
(24)												
25	16.947	960	16.516	-431	10.101	464	8.950	-1.151	27.048	1.424	25.466	-1582
26	17754	929	17445	-309	10582	496	9.446	-1136	28336	1425	26.891	-1445
27	18.561	872	18.317	-244	11.063	447	9.893	-1170	29,624	1319	28.210	-1414
28	19368	972	19289	- 79	11544	521	10.414	-1130	30,912	1493	29.703	-1209
29	20.175	940	20229	+ 54	12.025	480	10.819	-1131	32,200	1420	31.123	-1077
30	21.000	871	21.100	+100	12500	706	11.600	- 900	33.500	1.577	32.700	- 800

DECLASSIFIED E.O. 12065 SECTION 3-402/NNDG NO. 775013

昭和24年4月末在籍人員

			二子坑 人員	二子坑 %	二子坑 %	二子.満島合計 人員	二子.満島合計 %	二子.満島合計 %
坑内夫	直接夫	採炭夫	435	26.2	15.3	568	20.0	12.1
		充填夫	69	4.2	2.4	139	4.9	3.0
		掘進夫	363	21.9	12.7	739	26.0	15.7
		仕繰夫	177	10.6	6.3	238	8.4	5.0
		計	1044	62.9	36.7	1684	59.3	35.8
	間接夫	助手	66	4.0	2.3	134	4.7	2.8
		日役夫	299	18.0	10.5	495	17.4	10.5
		運搬夫	124	7.5	4.4	292	10.3	6.2
		機械夫	90	5.4	3.2	170	6.0	3.6
		工作夫	21	1.3	0.7	38	1.3	0.8
		雑夫	15	0.9	0.5	26	1.0	0.6
		計	615	37.1	21.6	1155	40.7	24.5
	合計		1659	100.	58.3	2839	100.	60.3
坑外男子		技術助手	61	5.1	2.1	91	4.9	1.9
		事務夫	104	8.8	3.7	173	9.2	3.7
		運搬夫	120	10.1	4.2	186	9.9	4.0
		機械夫	25	2.1	0.9	52	2.8	1.1
		工作夫	121	10.2	4.3	185	9.9	3.9
		電気夫	46	3.9	1.6	72	3.8	1.5

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		計	615	37.1	21.6	1155	40.7	24.5
	合計		1659	100.	58.3	2839	100.	60.3
坑外夫	男子	技術者	61	5.1	2.1	91	4.9	1.9
		事務員	104	8.8	3.7	173	9.2	3.7
		運搬夫	120	10.1	4.2	186	9.9	4.0
		機械夫	25	2.1	0.9	52	2.8	1.1
		作業夫	121	10.2	4.3	185	9.9	3.9
		雑夫	46	3.9	1.6	72	3.8	1.5
		計	398	33.6	14.0	620	33.1	13.2
		計	875	73.8	30.8	1379	73.6	29.3
	女子	技術者	11	0.9	0.4	37	2.0	0.8
		事務員	14	1.2	0.5	24	1.3	0.5
		炭選夫	51	4.3	1.8	67	3.6	1.4
		雑夫	235	19.8	8.2	365	19.5	7.7
		計	311	26.2	10.9	493	26.4	10.4
	合計		1186	100.	41.7	1872	100.	39.7
総計			2845	/	100.	4711	/	100

24/3月末収容力

	社宅						寮			
	使用戸数	要修理	同居世帯	畳数	居住人員	一人当畳数	棟数	収容人員	畳数	一人当畳数
二子坑	1064	3	113	10830	5241	2.1	8	825	1312	1.59
端島坑	518	-	121	6035	2738	2.2	10	917	1177.5	1.28
合計	1582	3	234	16865	7979	2.1	18	1742	2489.5	1.43

DECLASSIFIED E.O. 12065 SECTION 3-402/NNDC NO. 7750113

DECLASSIFIED E.O. 12065 SECTION 3-402/NNDG NO. 775013

24年4月中在籍人員と稼働率（坑内夫）

日附	在籍人員							稼働率					
	採炭	掘進	仕繰	充填	運搬	日役	計	採炭	掘進	仕繰	充填	運搬	日
1	451	347	173	62	121	308	1462	69	69.0	63.0	61.3	77.7	7
2	439	351	180	67	120	307	1464	59	62.1	55.0	46.3	73.3	7
3													
4	441	358	176	71	119	296	1461	64.5	68.8	57.5	57.7	73.9	7
5	434	355	176	68	121	306	1460	75.2	74.4	71.6	64.7	77.7	7
6	443	356	173	67	120	300	1459	79.5	74.2	71.2	74.7	80.8	7
7	443	355	176	68	121	296	1459	76.7	73.0	76.2	64.8	85.1	7
8	441	351	182	68	121	296	1459	79.8	79.0	73.7	66.1	84.3	7
9	436	352	183	69	121	297	1458	76.6	69.4	65.6	63.8	83.5	7
10													
11	445	348	186	69	121	287	1456	77.8	76.5	75.3	71.0	86.0	7
12	442	353	186	68	121	288	1458	79.9	77.9	79.0	69.1	86.0	8
13	439	337	200	69	121	294	1460	66.5	61.1	70.0	61.4	77.0	7
14	443	341	189	69	119	299	1460	69.0	70.4	67.7	60.9	79.0	7
15	444	337	191	69	119	298	1458	72.8	76.0	72.8	74.0	83.2	7
16	444	334	190	68	120	296	1457	65.1	62.3	64.9	67.6	73.3	7
17													
18	441	337	187	73	122	296	1456	74.0	64.4	64.2	69.9	77.0	7
19	439	346	196	73	122	280	1456	78.2	80.0	73.0	76.8	78.7	7
20	442	346	198	67	123	281	1457	77.9	79.8	73.9	68.7	81.2	7
21	442	347	198	70	124	276	1458	76.5	77.5	69.7	72.8	73.3	7
22	442	341	195	71	124	282	1457	76.6	72.2	70.3	74.6	76.5	8
23	438	344	185	71	126	288	1452	73.0	69.8	69.3	73.2	77.7	7
24													
25	436	362	184	73	124	273	1453	73.0	74.4	72.3	72.6	78.1	8
26	443	366	177	72	124	271	1452	75.0	74.9	70.0	70.9	79.8	7
27	440	365	173	73	123	275	1449	77.5	76.4	67.2	71.3	76.4	7
28	429	367	180	69	124	280	1449	78.4	74.9	72.8	76.8	79.0	7
29	439	361	177	69	124	278	1448	77.5	74.5	63.9	77.0	80.0	8
30	435	363	177	69	124	299	1467	68.3	68.3	63.3	62.3	71.7	7
計	11453	9125	4788	1802	3469	7548	37885	73.6	72.3	69.1	68.2	78.9	7

DECLASSIFIED E.O. 12065 SECTION 3-402/NNDG NO. 775013

二籍人員の稼働率（坑内夫）

二子坑

稼働率（%）						実入坑率（%）						出勤取扱人員（%）
採掘	掘進	仕操	充塡	運搬	日役	計	採掘	掘進	仕操	充塡	運搬	日役	計	
9	69.0	63.0	61.3	77.7	73.7	69.6	64.5	63.4	70.6	98.4	78.5	63.7	67.4	
9	62.1	55.0	46.3	73.3	76.0	63.4	53.8	54.7	59.5	71.7	74.1	69.4	60.4	
4.5	68.8	57.5	57.7	73.9	71.0	66.5	66.7	60.1	71.1	43.7	75.6	65.9	65.0	
2	74.4	71.6	64.7	77.7	71.0	73.4	75.9	68.7	81.3	74.7	77.6	62.1	71.6	
5	74.2	71.2	74.7	80.8	77.0	76.6	80.3	66.5	86.2	65.7	81.7	70.7	75.0	
7	73.0	76.2	64.8	85.1	74.3	75.3	75.5	66.2	83.0	72.1	85.2	70.3	73.8	
8	79.0	73.7	66.1	84.3	79.8	78.5	75.8	73.3	79.7	100.0	84.2	74.5	77.1	
6	69.4	65.6	63.8	83.5	79.1	73.9	76.6	62.9	67.9	87.0	85.1	73.5	72.7	
8	76.5	75.3	71.0	86.0	76.3	77.2	74.6	69.3	86.5	85.5	85.9	72.9	76.0	
9	77.9	79.0	69.1	86.0	80.3	79.4	77.1	71.4	83.9	76.5	86.0	79.2	77.8	
5	61.1	70.0	61.4	77.0	76.2	68.4	61.5	60.2	58.0	68.1	74.8	72.2	64.1	
0	70.4	67.7	60.9	79.0	75.6	71.0	66.6	64.9	75.2	72.5	79.9	71.1	69.5	
8	76.0	72.8	74.0	83.2	79.3	75.7	71.1	67.4	77.5	78.2	84.0	72.1	72.8	
1	62.3	64.9	67.6	73.3	76.0	67.4	64.0	59.6	73.7	69.1	75.0	72.7	67.2	
0	64.4	64.2	69.9	77.0	75.0	70.7	73.5	70.4	77.5	65.8	77.9	69.0	71.1	
2	80.0	73.0	76.8	78.7	79.7	78.2	78.2	76.0	74.5	78.1	79.6	76.2	77.0	
9	79.8	73.9	68.7	81.2	78.6	77.8	75.1	77.3	69.8	75.3	82.1	76.2	76.0	
7	77.5	69.7	72.8	73.3	79.7	76.0	75.4	74.1	67.2	84.4	76.6	74.3	74.4	
1	72.2	70.3	74.6	76.5	80.9	75.4	70.5	70.7	69.2	88.8	77.5	76.3	73.1	
3	69.8	69.3	73.2	77.7	74.6	72.5	78.1	69.0	66.0	83.1	75.4	68.8	72.6	
0	74.4	72.3	72.6	78.1	80.0	74.9	74.0	76.2	64.7	60.3	77.5	76.7	72.6	
2	74.9	70.0	70.9	79.8	77.9	75.1	66.8	74.7	66.6	91.7	80.6	75.2	72.6	
4	76.4	69.2	71.3	76.4	79.0	75.8	71.0	72.9	71.8	90.5	77.2	76.3	74.2	
1	74.9	72.8	76.8	79.0	79.4	76.7	74.1	71.5	70.1	103.0	78.2	74.0	74.7	
5	74.5	63.9	77.0	80.0	81.3	75.9	76.0	74.3	64.5	88.3	81.5	76.3	75.4	
3	68.3	63.3	62.3	71.7	71.0	68.2	64.5	67.0	66.1	85.5	75.9	66.5	67.8	
1	72.3	69.1	68.2	78.9	77.0	73.5	71.6	68.4	71.9	79.0	79.5	71.9	72.1	0.79

DECLASSIFIED E.O. 12065 SECTION 3-402/NNDG NO. 775013

寮、其ノ他別稼働率（坑内夫）

24年 4月

日附	寮	寮以外	計	日附	寮	寮以外	計
4/1	67.0%	81.6%	75.1%	4/16	67.6%	82.6%	76.0%
2	61.4"	82.0"	72.9"	⑰			
③				18	68.7"	83.4"	77.0"
4	65.5"	79.0"	73.8"	19	76.4"	86.9"	82.4"
5	70.0"	83.4"	77.4"	20	77.3"	86.0"	82.1"
6	74.2"	87.0"	81.3"	21	75.9"	86.5"	81.9"
7	70.2"	85.0"	79.8"	22	76.8"	86.4"	81.6"
8	78.4"	86.8"	82.5"	23	71.9"	84.9"	79.2"
9	70.0"	84.9"	78.3"	㉔			
⑩				25	71.2"	85.9"	79.6"
11	75.2"	85.7"	80.2"	26	67.5"	87.0"	78.5"
12	78.4"	88.9"	84.3"	27	70.5"	87.2"	80.0"
13	69.6"	80.5"	75.7"	28	73.8"	87.0"	80.9"

註

寮

慰労休暇 746

忌引 19

代休 22

寮以外

慰労休暇 1548

忌引 37

代休 48

以上ヲ含ム

8	78.4"	86.8"	82.5"	23	71.9"	84.9"	79.2"
9	70.0"	84.9"	78.3"	(24)			
(10)				25	71.2"	85.9"	79.6"
11	75.2"	85.7"	80.2"	26	67.5"	87.0"	78.5"
12	78.4"	88.9"	84.3"	27	70.5"	87.2"	80.0"
13	69.6"	80.5"	75.7"	28	73.8"	87.0"	80.9"
14	69.1"	83.4"	77.0"	29	72.0"	86.8"	80.5"
15	75.6"	87.1"	82.1"	30	61.3"	84.4"	74.4"
				月平均	71.4"	85.1"	79.0"

慰労休暇 1548
忌引 37
代休 48

以上ヲ含ム

職種別在坑時間表

24年 1月～4月

職種 / 月	採炭	掘進	仕繰	充填	運搬	営繕	採機	平均
24年/1月	8°18'	7°06'	6°09'	6°07'	7°51'	7°21'	7°09'	7°11'
2月	8°26'	7°06'	8°09'	8°16'	8°14'	8°49'	9°43'	8°16'
3月	8°31'	7°56'	7°41'	7°32'	8°24'	8°27'	9°59'	8°16'
4月	8°27'	-			8°05'			

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保安関係

① 通気

坑別	主要扇風機 公称 型式	HP	風量 m³/min	風圧 mm/wg	現在 出力 Kw	風量 m³/min	頭圧 mm/wg	等積孔	備考
二子坑	ターボ	300	6000	150	166	3851	193	1.74	
	ターボ	675	9000	200	—	—	—		6月ヨリ通気変更予定

坑別	可燃性瓦斯 総排気中含有率%	湧出量 m³/min	出炭比当 m²	切羽最高 温度 C°	湿度 %	切羽最高深度	燈火 キャップランプ	備考
二子坑	0.5	19.2	29.1	30	90	5-11	1.500	

② 排気

坑別	出水量 m³/min	主要ポンプ（100 HP以上） HP	台数	HP	台数	HP	台数	HP	台数	備考
二子坑	2.2	400	(2) 4	150	(3) 3					( )ハ予備ニシテ内数ナリ

③ 負傷統計表

	負傷者数	稼働千人當	出炭千屯當

DECLASSIFIED E.O. 12065 SECTION 3-402/NNDG NO. 775013

坑別	出水量 m³/min	主要ポンプ（100 HP以上）								備考
		HP	台数	HP	台数	HP	台数	HP	台数	
二子坑	2.2	400	4 (2)	150	3 (3)					( )ハ予備ニシテ内数ナリ

③ 負傷統計表

	負傷者数			稼働千人當			出炭千屯當
	坑内	坑外	計	坑内	坑外	計	計
23/4	45	10	55	1.12	0.36	0.93	3.21
5	63	13	76	2.01	0.46	1.11	4.17
6	58	10	68	1.81	0.34	1.11	3.76
7	58	17	75	1.71	0.56	1.17	4.14
8	62	13	75	2.12	0.47	1.33	6.41
9	77	18	95	2.23	0.62	1.49	5.03
10	76	20	96	2.33	0.68	1.55	4.80
11	64	14	78	1.93	0.49	1.27	4.04
12	65	12	77	1.99	0.43	1.27	4.05
24/1	64	12	76	1.94	0.34	1.25	3.76
2	105	12	117	3.17	0.45	1.96	5.76
3	75	15	90	2.14	0.50	1.38	3.50
計	812	166	978	2.15	0.48	1.31	4.33

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昭和23年下期営業成績實

年月	出荷 目標	出荷 実績	出荷 原価	拂出数量 送炭	拂出数量 雑消費炭	拂出数量 計
23 10	30.400	32.000	2694 05	27074	4722	31.7
11	31.000	31.150	2676 03	27.175	4496	31.6
12	34.300	31 700	2709 40	26.969	5052	32.0
24 1	32.000	30.000	2974 15	24.391	5132	29 5
2	30.700	32.100	2633 75	25 996	4816	30.8
3	34.300	40.000	2563 05	35.023	5035	40.0
計	192.700	196.900	2699 90	166.628	29253	195.8

註 23年12月売價ニハ 10月11月分追加ノ分ヲ含ム

昭和23年下期府縣別

區分	東京	大阪	愛知	兵庫	廣島	香川
送炭高 噸	15.415 T	61.848	13 435	5-20	5-697	1,82
%	9.3	37.1	8.1	0.3	3.4	1.1
坑所賣價 千円	5-6,115 千円	220.111	48.438	1.286	20.189	447

註 坑所販売価額ハ単位千円ナリ

DECLASSIFIED E.O. 12065 SECTION 3-402/NNDG NO. 775013

年下期營業成績實績表

拂出数量			比當			利益額
送炭	自家消費炭	計	賣價	原價	利益	
27074	4722	31.796	3.324 80	2678.00	646 80	20.559.547 38
27.175	4496	31.671	3321 80	2660 67	661 13	20.938.508 57
26.969	5052	32.021	3730 64	2708 51	1022 13	32.729.687 77
24391	5132	29.523	3452 99	2965 20	487 79	14.410.203 69
25.996	4816	30.812	3361 61	2622 74	738 87	22.766.044 15
35.023	5035	40.058	3281 22	2588 98	692 24	27729.670 02
16.628	29.253	195.881	3406 83	2696 53	710 30	139.133.671 58

分ヲ含ム

23年下期府縣別送炭高表

兵庫	廣島	香川	愛媛	福岡	長崎	宮崎	計
520	5697	1,820	6.180	34635	26.908	170	166.628T
0.3	3.4	1.1	3.7	20.8	16.1	0.1	100%
1.286	20.189	4478	22.049	124455	88.737	416	586.324千円

千円

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Staff of Takashima Coal Mine

A. Akimoto	General Manager
S. Ikegami	Business Superintendant
H. Koga	Superintendant of Hutago Pit
S. Io	Engineering Superintendant
I. Nakamura	Superintendant of Hashima Pit
T. Shindo	Chief of General Affairs Section
S. Tanamachi	Chief of Hashima General Affairs Section
K. Habaki	Chief of Accounting Section
H. Hatao	Chief of Material Section
T. Agochi	Chief of Hutago Labor Section
T. Sugawara	Chief of Hashima Labor Section
T. Matsushima	Chief of Hutago Living Necessaries Section

S. Tanamachi	Chief of Hashima General Affairs Section
K. Habaki	Chief of Accounting Section
H. Hatao	Chief of Material Section
T. Agochi	Chief of Hutago Labor Section
T. Sugawara	Chief of Hashima Labor Section
T. Matsushima	Chief of Futago Living Necessaries Section
S. Kume	Chief of Hashima Living Necessaries Section
K. Arima	Superintendant of Coal Transport Section
K. Atsuki	Superintendant of Planning Section
M. Agawa	Superintendant of Safety Section
T. Mikami	Superintendant of Futago Mining Section
A. Shimamura	Superintendant of Hashima Mining Section
M. Tamura	Superintendant of Hashima Engineering Section
H. Sera	Superintendant of Power Plant
S. Imabayashi	Superintendant of Construction Section
T. Mori	Director of Hospital

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DECLASSIFIED E.O. 12065 SECTION 3-402/NNDG NO. 775013

Out line of Takasima coal mine

1. Concession — 5760 acres
2. Coal Reserve — 172 million tons
3. Coal seams

The coal seams are in Tertiary strata, there are sixteen of them, seven of which are workable

4. Quality of coal and its uses

The Takashima coals are said to be the best in Japan, their analyses are as follows:-

name of seams	moisture	volatile matters	fixed carbon	ash	Sulpher	cal
uwa-8ft-seam.	0.49	38.47	56.80	4.24	0.71	8245
goma-5ft-seam.	1.20	40.53	53.91	4.36	0.45	8160
kanto-5ft-seam	1.13	40.15	53.52	5.20	0.51	8050
18ft-seam	1.26	40.20	53.48	5.02	0.50	8060
shin-5ft-seam	1.28	39.86	52.16	6.70	0.83	7920
10 ft - seam	0.98	39.02	55.58	4.42	0.64	8140
12 ft - seam	0.93	38.08	54.49	5.38	0.51	8030

Goma-5ft-seam	1.20	40.53	53.91	4.36	0.45	8160
Kanto-5ft-seam	1.13	40.15	53.52	5.20	0.51	8050
18ft-seam	1.26	40.20	53.48	5.02	0.50	8060
Shin-5ft-seam	1.28	39.86	52.16	6.70	0.83	7920
10 ft - seam	0.98	39.02	55.58	4.42	0.64	8140
12 ft - seam	093	38.08	54.49	5.35	0.51	8030

and they are used for gas produce. boilers and making cokes in furnaces.

5. Main Equipment

Hoisting

Futago 1st Incline winder 200HP for mine car capacity 800T/day
2nd Incline " 150HP men

Hashima 2nd Shaft " 2000HP mine car capacity 1500T/day
4th shaft " 450HP ventilation

Haulage

Futago 6T trolley locomotive ×3
Hashima 5T " ×3

Drainage

Futago Pump capacity ~~400HP×2~~ 400HP×2 ~~150HP×3~~ pumpping up 80 cf/mm
Hashima " 400HP×3 300HP×4 " 120 cf/mm

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Power Plant

Futago	7000Kw generator	
Washing plant		
Futago	Baum washer	100T/H
Hashima	"	100T/H

A. Various items actually practised in Takashima coal mine at present are as follows:-

1. In observing 9 points of economical rehabilitation programs it is decided to uphold responsible cost system within our companys coal mines

a) Improvement & modernization of underground mechanization;
electric car transportation in the Main Entry
Utilization of steel props in the long wall working face.
Enforcement of coal digging at the pockets.
Investigation and study of car loader
Investigation of Clover leaf burn cut,

DECLASSIFIED E.O. 12065 SECTION 3-402/NNDG NO. 775013

a) Improvement & modernization of underground mechanization;
electric car transportation in the Main Entry
Utilization of steel props in the long wall working face.
Enforcement of coal digging at the pockets.
Investigation and study of car loader
Investigation of Clover leaf burn cut.
b) Saving of Essential Materials.
Timbers etc.

2. Improvement of Welfare facilities
3. Mechanization of Surface working conditions
Strengthening of landing facilities.

B. Future Increase Production Program

In order to improve and re-ajust efficiency deterioration owing to the removal to the Deep Side working faces and inadequate capacity of existing hoisting facilities of Futago pit and also to clarify the uneasiness owing to the shaking condition of Hashima pit Shaft, it is

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now under the contemplation of sinking
New Shaft.

1) Coal production plan 4000 tons per day or 1200000 Tons per year
2) Depth of shaft 620 M
3) Shape & size of shaft Round dia 7.5 M
4) Shaft position Coal stock-pile at Futago pit
5) Shaft hoist Coal 7 tons skip hoist 2000HP
waste & labour 2nd stair cage hoist 2000HP
6) Main entry Futago Entry 3000 M.
Hashima Entry 2300 M
7) Development area, & its coal resources,
Futago Deep side area 38.376.000 tons
" North " 77.266000 "
Hashima area 16420.000 "
8) Date of completion March 1955

C. Required Items.

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Futago Deep side area 38.376.000 tons
" North " 77.266.000 "
Hashima area 16.420.000 "

8) Date of completion March 1955

C. Required Items.

1.) Revision of coal buying level prices.
2) Cancellation of the past deficit by the goverment financial defrayments
3) To secure safty and production materials.
4) Rationalization of Kodan (Coal distribution corporation) machinery.
5) Revision of labor regulations.
6) It is desired that the government loan may be continued towards the industrial promotion fund. In case if such fund is to be called off, taking special circumstance of Takashima Coal Mine, possible help and priority may be considered on behalf of this mine.

DECLASSIFIED E.O. 12065 SECTION 3-402/NNDC NO. 775013

DECLASSIFIED E.O. 12065 SECTION 3-402/NNDG NO. 775013

Tahashima - owned by Mitsubishi
Oki - Shima - Dock
Ko - Shima
Length 3 Kilo M. + 300 M
Width 600-700 M
Islands connected by bridge
(10 Kilo M boat ride)
3 towns 2 Catholic
1 Buddhist
½ on Ko Shima 181

Housing difficult because of jagged terrain
- army barracks on end of Ko to be occupied ①

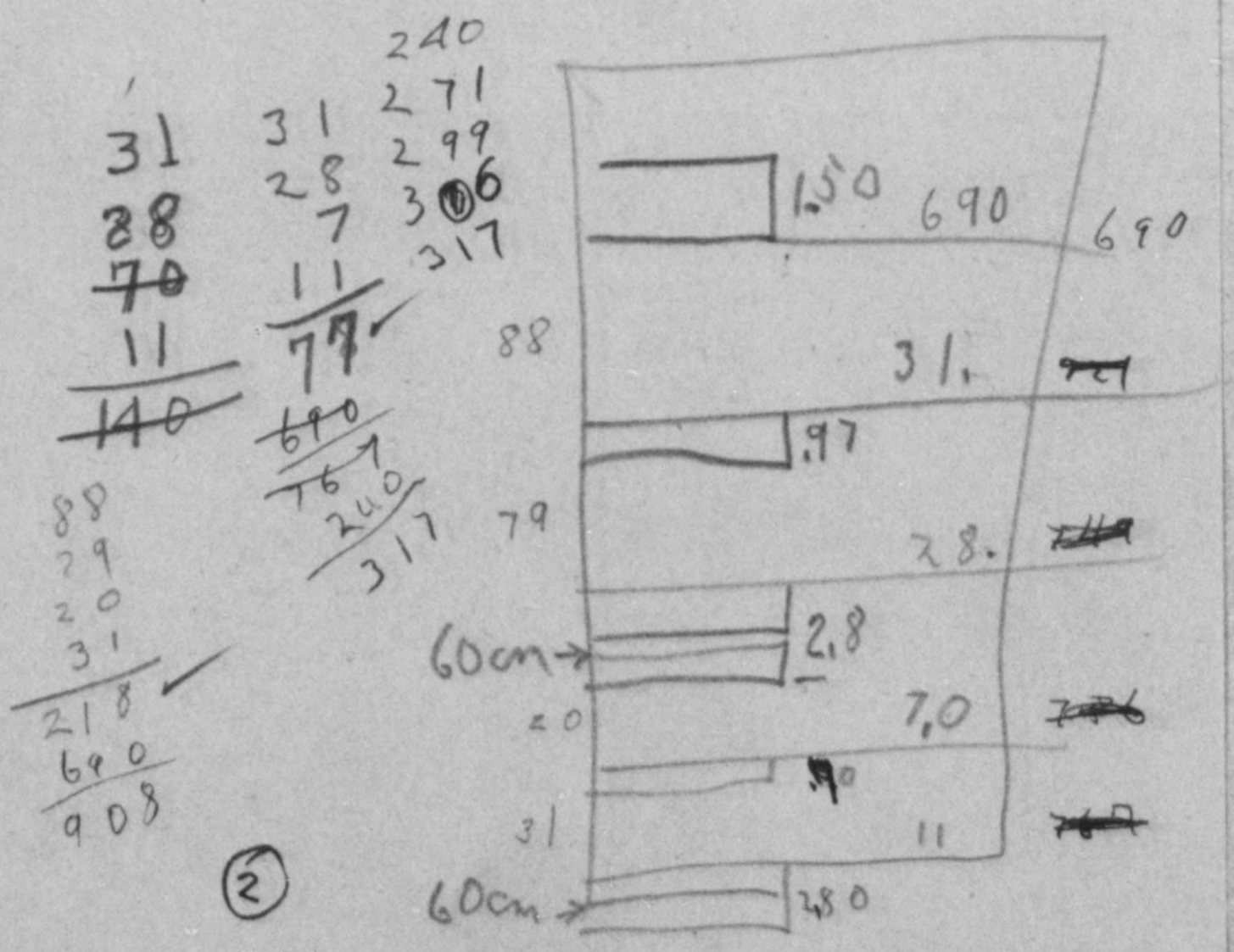
4400 Pop.
4370 2400 working for mine

DECLASSIFIED E.O. 12065 SECTION 3-402/NNDG NO. 775013

School children
70% miners children

Coal concession 11 times
age of mine,

Boring 3 new test holes.
Reservoir of 10,000 Tons.



DECLASSIFIED E.O. 12065 SECTION 3-402/NNDG NO. 775013

"A Stitch in
Time
Saves Nine"

Who is counterpart
on Joint Team or Govt.?
Who is Govt/Contl mine
Inspector.

DECLASSIFIED E.O. 12065 SECTION 3-402/NNDG NO. 775013

Content of Coal

Calorie - 7609 - 7737
Sulphur - 0-.90
ash -
Carbon -
Volatile -

Building new loading Dock
120 meters
70 complete by 1 Jan 49
Present dock to be given
over to supplies

New dock to handle ships
of 7000 Ton

New dressing Plant to be
completed this year

DECLASSIFIED E.O. 12065 SECTION 3-402/NNDG NO. 775013

Crane has 5-Ton grab-bucket.

70 Ton per hour with 2-T bucket.

Capacity - 2000 Ton per hour when completed

Loading

Dressing plant 100-T per hour

Shaft - Incline 20° 40'

400 Hp Hoist

Using one presently

Plan to Produce 3000-T annually

200 Hp Winch

Ventilating Fan

7100 Cu M. air/~~Min~~ min.

100 Hp - 2000 Cu M./min.

DECLASSIFIED E.O. 12065 SECTION 3-402/NNDG NO. 775013

Compressor for air drills
720 HP

690 M. to first ~~1000 M. Long~~ 3000 to Face
Range is 400 M from
Shaft.

50 M between advancing
crews.

a shortage of personnel
all seams not producing
1 out of 3.

11 cuft water/min pumps

Gas .001
Problem: small seams of slag
40% Coal obtained by "advancing"

(5)

DECLASSIFIED E.O. 12065 SECTION 3-402/NNDG NO. 775013

Shortage of Labor holds back greater production
Housing holds back increase in labor.

Mine opened in 1941
Reached deposit in 1943
1943 - 5,200
1944 - 24,000 T
1945 - 23000
1946 - 41000T
1947 - 52,000T
1948 - 70,000T (Planned)
(100000 Planned)
1949 - 140000 Planned
100,000 probable
1950 - 300,000
1951 - 300,000

DECLASSIFIED E.O. 12065 SECTION 3-402/NNDG NO. 775013

600,000 T Prod. after Perpendicular Shaft.

30 min. walk to farthest working Point.

DECLASSIFIED E.O. 12065 SECTION 3-402/NNDG NO. 775013

Shortage of material

1. Rubber Hose
2. Manila Rope
3. Bedding cotton

a. Coal Bureau allocation Right and Duty.

70 Sets received this year.

Life of Bedding 3-6 months

Calling card

Capt. Samuel N. Wycoff
Corps of Engineers U.S. Army

Safety Officer Coal Board
Kyoshu Military Gov't Regim

(8)

DECLASSIFIED E.O. 12065 SECTION 3-402/NNDG NO. 775013

Hodoi Director
Kawabata - Engr.
Yamamoto - Architecture
Usanami - ? Materials
Comada - Mining
Furuuma - Mach Shop

Introduction
1. Purpose of Coal Board
2. Situation Past, Present
3. Actual mining and production a problem of the Company.
4. One of the Phases of Production is Safety.
5. One injury requires carrying numbering too many
   Stretcher Bearer
   Doctors
   nurses
6. The case of the man who was injured by falling rock.

(9)

DECLASSIFIED E.O. 12065 SECTION 3-402/NNDG NO. 775013

Meiji Mining Company
the ~~Tōzy~~ Ewashima Mine
Tōshima

CAPTAIN
Capt. Samuel N. Wycoff
Corps of Engineers
US Army
Coal Board
Kyushu Military Government Region

DECLASSIFIED E.O. 12065 SECTION 3-402/NNDG NO. 775013

7. Safety Committees have just been formed.

7a. Posters suggested

8. Manila rope needed
" 1-2"
200 M length coils
1" - 10 coils
2" - 5 coils

Coal Bureau does the allocation. Fukuoka office

Safety - cont.
Immediate analysis recommended

Secure recent magazines for Scrap Libraries.

36 KW/hr produces 1 ton

DECLASSIFIED E.O. 12065 SECTION 3-402/NNDG NO. 775013

Safety — Training
Equipment
First Aid
Oxygen Tanks
Mine Rescue

DECLASSIFIED E.O. 12065 SECTION 3-402/NNDG NO. 775013

Folder

TAKASHIMA COAL MINE

Name of Co.: Mitsubishi Mining Co. Ltd.

I. PRODUCTION

Futago Pit.

	Quota	Actual Pro.	+or-
Total Pro. from Apr. 1948 to Jan. 1949	185,000 tons	179,700 tons	-5,300 tons

Hashima Pit.

	Quota	Actual Pro.	+or-
Total Pro. from Apr. 1948 to Jan. 1949	111,300 tons	110,100 tons	-1,200 tons

The Measure for Increasing Production.

Expect to improve attendance percentage of underground workers up to 80 percent and to attain the coal production during February and March as undermentioned:-

Futago Pit.

	Quota	Estimated Pro.	Loss or Gain
February 1949	19,200	22,000	+ 2,800
March. "	21,500	25,000	+3,500
Total	40,700	47,000	+6,300

Hashima Pit.

	Quota	Estimated Pro.	Loss or Gain
February 1949	11,500	11,800	+ 300
March "	12,800	13,700	+ 900
Total	24,300	25,500	+ 200

DECLASSIFIED E.O. 12065 SECTION 3-402/NNDG NO. 775013

II. SAFETY

The condition of mine safety is generally good. The peculiar points of this mine are that it is using compressed air at the working places at the extueme and of the pit where combustible gas exits, with a view to prevent from any gas explosion.

The safety committee of the mine is considerably active. The percentage of casualties per 1,000 workers on duty was 1.26 in November, 1.34 in December and 1.37 in January respectively which was not so good.

It is requested to make further endeavour in the prevention of accidents by means of installing suggestion box on safety problems and utilizing responsible statistics of accidents.

III. MATERIALS.

(1). Allocation. Good.

(2). Actual Delivery. Generally Good.

DECLASSIFIED E.O. 12065 SECTION 3-402/NNDG NO. 775013

Coal Production Progres

Note: This all mines in the scope of the produced 10.000 tons or more-du

Name of Coal Field: Nishisonoki Coal Field

M.G. Region: Kyushu Military Governme

Japanese Reporting Agency: Fukuoka Coal Burea

Name of Mine	Corporate Name of Co.	Quota Last Month		Quota This Month		Actual Production	
		Tons	Days Worked	Tons	Days Worked	Last Month	This Month
Futago Coal Mine	Mitsubishi Mining Co., Ltd.	20.000	25	19.200	24	19.200	20.500

DECLASSIFIED E.O. 12065 SECTION 3-402/NNDG NO. 775013

tion Progress Report

he scope of the M.G. region which have
ns or more during the month.

Coal Field — Date of This Report — February 28th. 1949

litary Government — For Period

a Coal Bureau

Actual Production		Percent Above	Percent Below	Tons Per Man Shift	Remarks
ast Month	This Month	This Month	This Month	For Full Pay Roll	
19.200	20.500	3%6	———	0.299	

Takashima Mine
Mitsubishi Mining Co., Ltd.

DECLASSIFIED E.O. 12065 SECTION 3-402/NNDG NO. 775013

Coal Production Progress

Note: List all mines in the scope of the M
produced 10.000 tons or more du

Name of Coal Field: Nishisonoki Coal Field

M. G. Region: Kyushu Military Government

Japanese Reporting Agency: Fukuoka Coal Bureau

Name of Mine	Corporate Name of Co.	Quota Last Month		Quota This Month		Actual Production	
		Tons	Days worked	Tons	Days worked	Last Month	This Month
Futago Coal Mine	Mitsubishi Mining Co., Ltd.,	21.200	24	20.000	25	19.000	19.200

Remarks: The increase of percentage of absenteeism.

DECLASSIFIED E.O. 12065 SECTION 3-402/NNDG NO. 775013

n Progress Report

cope of the M.G. region which have

or more during the month.

Field — Date of this Report January 31st. 1949.

overnment — For Period January, 1949.

al Bureau

tual Production		Percent Above	Percent Below	Tons Per Man Shift	Remarks.
t Month	This Month	This Month	This Month	For Full Pay Roll	
9.000	19.200	———	4%0	0.27	

Takashima Mine.
Mitsubishi Mining Co., Ltd.

DECLASSIFIED E.O. 12065 SECTION 3-402/NNDG NO. 775013

Coal Production Progress

Note: List all mines in the scope of the M.
produced 10.000 tons or more dur

Name of Coal Field: Nishisonoki Coal Field
M.G. Region: Kyushu Military Government
Japanese Reporting Agency: Fukuoka Coal Bureau

Name of Mine	Corporate Name of Co.	Quota Last Month		Quota this Month		Actual Production	
		Tons	Days worked	Tons	Days worked	Last Month	this Month
Futago Coal Mine	Mitsubishi Mining Co., Ltd.,	21.200	24	20.000	25	19.000	19.200

Remarks: The increase of percentage of absenteeism.

DECLASSIFIED E.O. 12065 SECTION 3-402/NNDG NO. 775013

ion Progress Report

scope of the M.G. region which have
s or more during the month.

l Field — Date of this Report January 31st. 1949.

Government — For Period January, 1949.

Coal Bureau

Actual Production		Percent Above	Percent Below	Tons Per Man Shift	
Last Month	This Month	This Month	This Month	For Full Pay Roll	Remarks.
19.000	19.200	——	4%0	0.27	

n.

Takashima Mine.
Mitsubishi Mining Co., Ltd.

DECLASSIFIED E.O. 12065 SECTION 3-402/NNDG NO. 775013

物價廳長官殿
To Director, Price Board

石炭廳長官殿
To Director, Coal Board

昭和24年 3月分報告
Month Year

第一表 生產原價
No. 1 Production Cost

產出炭數量 Quantity, Coal Output	40,000 瓲 ton
自產炭消費量 Quantity, Mine Use	1.579 瓲 ton
差引送炭可能數量 Quantity, Available For Shipping	38.421 瓲 ton

炭礦名 Coal Mine	Takashima Mine
同上所在地 Location	Takasnima Nagasaki
鑛業權者名 Owner	Mitsubishi Mining Co. Ltd.
同上所在地 Location	Marunouchi Chiyoda-ku Tokyo

原價要素 Factors Of Cost		金額 Amount	瓲當 Per Ton		內譯 Details: 採炭運搬費 Digging & Haulage	選炭費 Dressigg	修繕費 Repair	動力費 Power	賠償費 Indeminity	福利厚生費 Welfare	事務費其他 Office
物品費 Material	木材類 Timber	6,545,161.27 圓	163 圓	63	5084993.90 圓	411.68 圓	953,407.22 圓	圓	※280,984.64 圓	2253638.35 圓	圓
	金屬類 Metal	6927,744.92	173	19	2312546.11	38.11	4437,032.65	148.65	※24,261.47 1,251.30	150,510.55	1956.08
	火藥類 Explosives	539,250.41	13	48	535,964.72		3285.69				
	電氣用品 Electric Aparatus	1,785,269.84	44	63	15459.53		1,755,700.76	7423.20		6686.35	
	工具、器具、備品 Tools, Furnitu res	2031,577.00	50	78	611,896.87	4270.00	876,875.58			397,913.60	140,620.95
	ゴム製品 Rubber Goods	518,811.22	12	97	75,599.75		429,127.47			14,084.00	
	油類 Oil	211,278.54	5	29	115,264.71	23,959.85	45,406.34			9,000.14	17,647.50
	石炭 Coal	4836,717.42	120	92	134,332.05		127,480.00			4,176,530.37	398,375.00
	事務用消耗品 Office Consumption Article	583,886.65	14	60							583,886.65
	其他 Others	2,905,827.09	72	65	1322816.56	4,610.00	617,599.34	703.88	※294,552.38 1,400.00	469,657.04	194,487.89
	計 Total	26,885,524.36	672	14	10,208,874.20 ~~1322816.56~~	33,289.64	9,245,915.05	8,275.73	※599,798.49 2,651.30	5,449,745.88	1,336,974.07
勞務費 Labor	職員給與 Salary	6,452,374.42	161	31	2572440.00	181,181.66	84,049.00			1,174,702.63	2,440,001.13
	賃金 Wage 坑內夫 Unberground	26431,751.88	660	79	24,941,591.52		1,416,265.09				73,895.27
	賃金 Wage 坑外夫 Surface	10,819,476.81	270	49	1,853,608.33	664,767.12	1,799,864.99	53,881.97	※1,799.44 1,720.11	3,223,169.33	3,220,665.52
	雜給 Allowances 坑內夫 Underground										
	雜給 Allowances 坑外夫 Surface	485,590.35	12	14	10,864.38		187,451.48	9,290.88		122,291.53	155,692.08
	賞與 Bonus 職員 Staff	103,067.00	2	58	33,666.00	2,425.00	1,487.00			15,177.00	50,312.00
	賞與 Bonus 鑛員 Miner	979,115.00	24	48	710,080.45	19,568.00	79,336.00	1,538.00	※74.00 80.00	80,216.55	88,222.00
	退職手當引當金 Retiring Reserve Fund	687,790.70	17	19						687,790.70	

DECLASSIFIED E.O. 12065 SECTION 3-402/NNDG NO. 775013

勞務費 Labor	Salary	6,452,374.42	161	31	2,372,440.00	181,181.66	84,049.00			[illegible]	[illegible]
	賃金 Wage 坑內夫 Underground	26,431,751.88	660	79	24,941,591.52		1,416,265.09				73,895.27
	賃金 Wage 坑外夫 Surface	10,819,476.81	270	49	1,853,608.33	664,767.12	1,799,864.99	53,881.97	※1,799.44 1,720.11	3,223,169.33	3,220,665.52
	雜給 Allowances 坑內夫 Underground										
	雜給 Allowances 坑外夫 Surface	485,590.35	12	14	10,864.38		187,451.48	9,290.88		122,291.53	155,692.08
	賞與 Bonus 職員 Staff	103,067.00	2	58	33,666.00	2,425.00	1,487.00			15,177.00	50,312.00
	賞與 Bonus 鑛員 Miner	979,115.00	24	48	710,080.45	19,568.00	79,336.00	1,538.00	※74.00 80.00	80,216.55	88,222.00
	退職手當引當金 Retiring Reserve Fund	687,790.70	17	19						687,790.70	
	法定福利費 Legal Welfare Fund	3,484,314.79	87	11						3,484,314.79	
	計 Total	49,443,480.95	1,236	09	30,122,250.68	867,941.78	3,568,453.56	64,710.85	※1,873.44 1,800.11	8,787,662.53	6,028,788.00
經費 Expenses	支拂修繕料 Repair	3,513,335.00	87	83			3,513,335.00				
	支拂電力料 Power	2,794,990.00	69	87				2,794,990.00			
	支拂賠償費 Indemnity										
	旅費通信費 Travel & Communication	1,021,907.27	25	55							1,021,907.27
	租稅公課 Tax	2,474,414.28	61	86						144,078.75	2,330,335.53
	減價償却費 Depreciation	1,669,525.00	41	74							1,669,525.00
	其他 Others	9,106,363.15	227	66	47,925.99	528.72	2,854,437.08	31,048.00	※271,423.00 11,662.10	1,255,076.15	4,634,262.11
	計 Total	20,580,534.70	514	51	47,925.99	528.72	6,367,772.08	2,826,038.00	※271,423.00 11,662.10	1,399,154.90	9,656,029.91
控除額 Deduction		1,023,231.06	25	58							1,023,231.06
山元原價計 Cost at Mine		95,886,308.95	2,397	16	40,379,050.87	901,760.14	19,182,140.69	2,899,024.58	※873,094.93 16,113.51	15,636,563.31	15,998,560.92
本社費 Head Office Exp.		2,123,000.00	53	08	1,009.48	22.54	479.55	72.48	※21.83 .40	390.91	399.97
支拂利子 Interest		4,512,576.94	112	81							
出炭總原價 Gross Prod. Cost		102,521,885.89	2,563	05							

上記慰當 Per Ton

自產炭消費額 Amount, Mine Use	4,897,303.00		
差引送炭可能原價 Cost, Available for Shipping	97,624,582.89	2,540	92
送炭可能數量販賣額 Selling Price, Available for Shipping	124,895,6[illegible]	3,250	71
差引損益損益 Loss & Gain	27,271,0[illegible]	709	79

備考 Remarks ※ Special indemnity

1

DECLASSIFIED E.O. 12065 SECTION 3-402/NNDG NO. 775013

物價廳長官殿
To Director, Price Board

石炭廳長官殿
To Director, Coal Board

產出炭數量 Quantity, Coal Output 32.100 ton 瓲

自產炭消費量 Quantity, Mine Use 1.490 ton 瓲

差引送炭可能數量 Quantity, Available For Shipping ton 30.610 瓲

昭和24年2月分報告
Month Year

第一表 生產原價
No. 1 Production Cost

炭礦名 Coal Mine: Takashima Mine

同上所在地 Location: Takashima Nagasaki

鑛業權者名 Owner: Mitubishi Mining Co. Ltd.

同上所在地 Location: Marunouchi Chiyoda-ku Tokyo.

原價要素 Factors Of Cost		金額 Amount	瓲當 Per. Ton	內譯 Details: 採炭運搬費 Digging & Haulage	選炭費 Dressigg	修繕費 Repair	動力費 Power	賠償費 Indeminity	福利厚生費 Welfare	事務費其他 Office
物品費 Material	木材類 Timber	5,697,865.62 圓 ~~5,710,390.62~~	177 圓 50 ~~177 89~~	4449393 圓 ~~4461918.44~~	319 圓 60	1238091 圓 55	562 圓 73	圓 Y	5890 圓 65	3607 圓 62
	金屬類 Metal	5,897,335.99 ~~5,884,810.99~~	183 73 ~~183 34~~	1,911,009.63 ~~1,898,484.63~~	1,166 75	3,889,818.83	1,783 75	※ 407 62	29,865 56	63,283 85
	火藥類 Explosives	471,052.65	14 67	470,506.43		546.22				
	電氣用品 Electric Aparatus	1,391,447.56	43 35	591,324.76	4,495.00	777,232.20	2,175.00		16,220.60	
	工具、器具、備品 Tools, Furnitu res	3,234,773.82	100 77	1,362,186.12	9,848.10	385,251.50	7,146.00		12,333,398.33	236,943.77
	ゴム製品 Rubber Goods	959,359.90	29 89	202,211.80		754,939.76			14,551.50	756.84
	油類 Oil	266,590.05	8 30	122,426.37	12,157.94	62,282.57			13,596.22	56,126.95
	石炭 Coal	4,527,647.08	141 05	123,974.30		127,480.00			3,935,183.78	341,009.00
	事務用消耗品 Office Consumption Article	574,076.27	17 88							574,076.27
	其他 Others	1,807,721.56	56 31	514,354.53	27,414.87	696,793.76	949.95	※ 33,346.20 / 387.00	374,239.60	160,235.65
	計 Total	24,827,870.50	773 45	9,747,387.41	55,402.26	7,932,436.39	12,617.43	※ 33,753.82 / 387.00	5,609,846.24	1,436,039.95
勞務費 Labor	職員給與 Salary	5,602,979.67	174 55	2,334,703.34	164,742.50	74,183.00			935,734.50	2,093,616.33
	賃金 Wage 坑內夫 Unberground	17,869,889.48	556 69	16,343,766.31		1,260,885.27				265,237.90
	賃金 Wage 坑外夫 Surface	8,688,347.13	270 66	1,368,467.91	471,871.96	1,475,181.26	24,965.26	4,308.47	2,844,971.69	2,498,580.58
	雜給 Allowances 坑內夫 Underground									
	雜給 Allowances 坑外夫 Surface	397,737.88	12 39	8,651.88		195,809.11			61,764.60	131,512.29
	賞與 Bonus 職員 Staff	96,125.02	2 99	30,846.00	3,013.00	1,717.00			15,928.80	44,620.22
	賞與 Bonus 鑛員 Miner	980,538.89	30 54	710,910.60	15,888.77	89,248.73	920.00	286.00	73,967.87	89,316.92
	退職手當引當金 Retiring Reserve Fund	741,897.60	23 11						[illegible]	

DECLASSIFIED E.O. 12065 SECTION 3-402/NNDG NO. 775013

勞務費 Labor	職員給與 Salary		5,602,979 67	174	55	2,334,703 34	164,742 50	74,183 00			935,734 50	2,093,616 33
	賃金 Wage	坑內夫 Unberground	17,869,889 48	556	69	16,343,766 31		1,260,885 27				265,237 90
		坑外夫 Surface	8,688,347 13	270	66	1,368,467 91	471,871 96	1,475,181 26	24,965 26	4,308 47	2,844,971 69	2,498,580 58
	雜給 Allowances	坑內夫 Underground										
		坑外夫 Surface	397,737 88	12	39	8,651 88		195,809 11			61,764 60	131,512 29
	賞與 Bonus	職員 Staff	96,125 02	2	99	30,846 00	3,013 00	1,717 00			15,928 80	44,620 22
		鑛員 Miner	980,538 89	30	54	710,910 60	15,888 77	89,248 73	920 00	286 00	73,967 87	89,316 92
	退職手當引當金 Retiring Reserve Fund		741,897 60 ~~741,897 60~~	23	11						741,897 60	
	法定福利費 Legal Welfare Fund		3,159,486 61	98	43						3,159,486 61	
	計 Total		37,537,002 28	1,169	36	20,797,346 04	655,516 23	3,097,024 37	25,885 26	4,594 47	7,833,751 67	5,122,884 24
經費 Expenses	支拂修繕料 Repair		2,015,910 00	62	80			2,015,910 00				
	支拂電力料 Power		2,477,895 00	77	19				2,477,895 00			
	支拂賠償費 Indemnity											
	旅費通信費 Travel&Communication		800,683 00	24	94							800,683 00
	租稅公課 Tax		2,240,666 61	69	80						114,787 50	2,125,879 11
	減價償却費 Depreciation		1,399,988 00	43	61							1,399,988 00
	其他 Others		7,510,932 96	233	99	69,800 88		1,942,334 79	392 10	※563,450 00	2,061,796 11	2,873,159 08
	計 Total		16,446,075 57	512	33	69,800 88		3,958,244 79	2,478,287 10	※563,450 00	2,176,583 61	7,199,709 19
控除額 Deduction			690,824 38	21	50							690,824 38
山元原價計 Cost at Mine			78,120,123 97	2,433	64	30,614,534 33	710,918 49	14,987,705 55	2,516,789 79	※597,203 82 4,981 47	15,620,181 52	13,067,809 00
本社費 Head Office Exp.			2,123,000 00	66	14	953 72	22 15	466 91	78 40	※18 60 15	486 61	407 10
支拂利子 Interest			4,300,407 65	133	97							
出炭總原價 Gross Prod. Cost			84,543,531 62	2,633	75							

上記噸當 Per Ton

自產炭消費額 Amount, Mine Use	4,556,400 00		
差引送炭可能原價 Cost, Available for Shipping	79,987,131 62	2,613	10
送炭可能數量販賣額 Selling Price, Available for Shipping	104,475,214 20	3,413	10
差引損益損益 Loss & Gain	+24,488,082 58	800	00

備考 Remarks ※ Special indemnity

15

物價廳長官殿
To Director, Price Board

石炭廳長官殿
To Director, Coal Board

產出炭數量 Quantity, Coal Output	30,000	噸 ton
自產炭消費量 Quantity, Mine Use	1,601	噸 ton
差引送炭可能數量 Quantity, Available For Shipping	28,399	噸 ton

昭和24年1月分報告
Month Year

第一表 生產原價
No. 1 Production Cost

炭礦名 Coal Mine	高島礦業所 Takashima Mine
同上所在地 Location	長崎縣西彼杵郡高島町二七〇六番地 Takashima Nagasaki
鑛業權者名 Owner	三菱鑛業株式會社 Mitsubishi Mining Co.Ltd.
同上所在地 Location	東京都千代田區丸ノ内二丁目三番地 Marunouchi. Chiyoda-ku. Tokyo

原價要素 Factors Of Cost		金額 Amount	噸當 Per Ton	內譯 Details: 採炭運搬費 Digging& Haulage	選炭費 Dressigg	修繕費 Repair	動力費 Power	賠償費 Indemnity	福利厚生費 Welfare	事務費其他 Office
物 Material 費	木材類 Timber	5,692,259.47	189.74	4,964,347.17	955.98	409,275.39		※ 231.28	315,740.68	1,709.03
	金屬類 Metal	2,685,541.00	89.52	2,074,393.02	2,404.22	552,360.07	11,949.59	※ 97.80 ※ 420.08	29,334.48	13,581.74
	火藥類 Explosives	474,697.38	15.82	474,697.38						
	電氣用品 Electric Aparatus	556,691.09	18.56	45,792.52		430,926.77			79,961.80	
	工具、器具、備品 Tools, Furnitures	2,321,657.42	77.39	647,016.00		273,863.88			1,317,008.19	83,773.35
	ゴム製品 Rubber Goods	159,052.51	5.30	48,896.82		99,098.69			11,057.00	
	油類 Oil	290,208.72	9.67	98,707.38	15,534.97	95,124.06			20,135.02	60,707.29
	石炭 Coal	4,809,824.03	160.33	133,854.00		127,480.00			4,220,229.03	328,261.00
	事務用消耗品 Office Consumption Article	350,459.00	11.68							350,459.00
	其他 Others	2,106,332.52	70.21	472,720.41	25,493.80	653,713.99	1,208.75	※ 15,897.79	544,636.55	395,654.23
	計 Total	19,446,723.14	648.22	8,960,434.64	45,388.97	2,641,852.85	13,153.34	※ 16,226.87 ※ 420.08	6,535,099.78	1,234,144.64
勞務費 Labor	職員給與 Salary	5,625,769.80	187.53	2,321,498.75	154,619.55	107,300.50			962,374.75	2,069,876.25
	賃金 Wage 坑內夫 Underground	24,792,288.23	826.41	23,231,929.72		1,382,676.31				177,682.20
	賃金 Wage 坑外夫 Surface	12,027,963.83	400.93	1,901,019.19	749.03008	1,943,959.67	29,344.87	2,349.45	3,712,512.81	3,677,247.74
	雜給 Allowances 坑內夫 Underground									
	雜給 Allowances 坑外夫 Surface	171,386.27	5.71	12,800.00					55,305.00	103,081.27
	賞與 Bonus 職員 Staff	88,197.00	2.94	21,197.00	2,145.00	1,487.00			12,108.00	40,260.00
	賞與 Bonus 鑛員 Miner	989,059.00	32.97	670,078.40	22,751.00	88,876.00	743.00	193.00	89,038.60	117,379.00
	退職手當引當金 Retirement Fund	701,045.40	23.37						701,045.40	

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勞務費 Labor	賃金 Wage	坑內夫 Underground	24,792,288 23	826 41	2321,578 75	154,619 55	107,300 50				962,374 75	2069,876 25		
		坑外夫 Surface	12,027,963 83	400 93	1901,019 19	749,030 08	1,943,959 67	29,344 87	2,349 45	3,713,512 81	3677,247 74			
	雜給 Allowances	坑內夫 Underground												
		坑外夫 Surface	171,386 27	5 71	12,800 00						88,305 00	102,081 27		
	賞與 Bonus	職員 Staff	88,197 00	2 94	21,197 00	2,145 00	1,487 00				12,108 00	40,260 00		
		鑛員 Miner	989,059 00	32 97	670,078 40	22,751 00	88,876 00	743 00	193 00		89,038 60	117,359 00		
	退職手當引當金 Retiring Reserve Fund		701,045 40	23 37							701,045 40			
	法定福利費 Legal Welfare Fund		3,217,273 37	113 91							347,273 37			
	計 Total		47,812,982 90	1,593 77	28,178,623 06	929,545 63	35,249,299 50	40,087 87	4,042 45	8,950,877 93	6185,306 46			
經費 Expenses	支拂修繕料 Repair		45-8,597 00	15 29										
	支拂電力料 Power		2,721,252 00	90 71			458,397 00							
	支拂賠償費 Indemnity							2721,252 00						
	旅費通信費 Travel & Communication		848,327 00	28 28										
	租稅公課 Tax		3256,756 29	108 56								848,327 00		
	減價償却費 Depreciation		1329,400 00	44 31							106,496 25	2150,260 04		
	其他 Others		7,786,710 27	259 55	29,960 -							1329,400 -		
	計 Total		16,401,042 56	546 70	29,960 -		1,154,458 50	7,260 -	30,202 50	2464,017 58	4100,814 69			
控除額 Deduction			834,143 64	27 8c			7613,052 50	3728,512 00	30,202 50	2470,513 83	9428,801 72			
山元原價計 Cost at Mine			82,826,604 96	2,760 89								834,143 64		
本社費 Head Office Exp.			2,123,000 00	70 77	37169017 70	974,934 60	7779,204 85	2781,755 21	*16,226 87	34,668 03	18,056 49 157	16,014,309 19		
支拂利子 Interest			4,274,827 69	142 49	1238 97	32 50	259 31	92 73	*	1 15	60 88	5338 1		
出炭總原價 Gross Prod. Cost			89,224,432 65	2,974 15										

上記噸當 Per Ton

* 特別賠償費 Special Indeminity

自產炭消費額 Amount, Mine Use	4,869,805 00	
差引送炭可能原價 Cost, Available for Shipping	84,354,627 65	2,970 34
送炭可能數量販賣額 Selling Price, Available for Shipping	98,421,102 00	3,463 65
差引損益 損益 Loss & Gain	14,066,474 35	+ 493 31

備考 Remarks

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Statistics of Takashima coal mine

I Production

month	Futago pit			Hashima pit			Total		
	Quota	Actual result	Loss or gain	Quota	Actual result	Loss or gain	Quota	Actual result	Loss or gain
1948 - 4	18,100	17,155	- 945	11000	11000		29100	28155	- 945
5	18,200	18,245	45	11100	10300	- 800	29300	28545	- 755
6	18,100	18,100		11000	11000		29,100	29,100	
7	18,100	18,100		10400	9600	- 800	28500	27,700	- 800
8	16,500	11,700	-4800	9600	9800	200	26100	21,500	-4600
9	16,800	18,900	2100	9700	11,100	1400	26500	30,000	3500
10	18800	20,000	1200	11600	12,000	400	30 400	32,000	1600
11	19,200	19,300	100	11800	11,800		31000	31,100	100
12	21,200	19,000	-2200	13100	12,700	- 400	34300	31,700	-2600
1949 1	20,000	19,200	- 800	12000	10800	- 1200	32000	30,000	- 2000
2	19,200	22,000	2800	11500	11500		30700	33500	2800
3	21500	25,000	3500	12800	13000	200	34300	38000	3700
Tatal	225,700	226,700	1000	135600	134,600	-1000	361300	361,300	-

Note :- Futago Pit. Owing to the strike on 1st. & 21st. December and poor attendance of underground workers affected the lost production of 2200 tons. Hashima Pit. During the month of December, owing to the strike on 1st. & 23rd. December & poor attendance of underground workers affected the lost production of 400 tons.

Tatal	225.700	226.700	1000	135.600	134.600	-1000	361300	361300	-

Note :- Futago Pit. Owing to the strike on 1st. & 21st. December and poor attendance of underground workers affected the lost production of 2200 tons. Hashima Pit. During the month of December, owing to the strike on 1st. & 23rd. December & poor attendance of underground workers affected the lost production of 400tons.

Futago Pit. January lost production of 600tons was due to the poor attendance Hashima pit. 1200tons lost in January production owing to the poor attendance and bad condition of working faces at the long wall.

II Number of labours and output per man per month.

month	Futago pit				Hashima pit				Total			
	Under-ground labourers	Total labourers	output T/man/mon.	W.P.	Under ground labourers	Total labourers	output T/man/mon.	W.P.	Under ground labourers	Total labourers	output T/man/mon.	W.P
1948 - 4	1558	2763	6.21	76.1%	1201	1947	5.65	78.8	2759	4710	5.98	77.3
5	1560	2765	6.59	77.2	1191	1940	5.31	80.3	2751	4705	6.07	78.5
6	1581	2766	6.54	74.6	1185	1932	5.69	77.2	2766	4698	6.19	75.7
7	1581	2766	6.54	75.7	1182	1917	5.01	76.7	2763	4683	5.52	76.1
8	1589	2771	4.22	69.3	1185	1917	5.11	74.0	2774	4688	4.59	71.3
9	1590	2785	6.79	80.3	1188	1919	5.78	79.0	2778	4704	6.83	80.1
10	1586	2788	7.17	80.1	1186	1917	6.26	77.8	2772	4705	6.82	77.3
11	1590	2792	6.90	78.1	1172	1886	6.26	77.7	2762	4683	6.64	76.0
12	1634	2838	6.69	75.3	1184	1889	6.72	71.2	2818	4727	6.71	73.6
1949 1	1657	2847	6.74		1182	1884	5.72		2839	4731	6.33	
2	1657	2847	7.55		1182	1884	6.37		2839	4731	7.07	
3	1657	2847	8.60		1182	1884	7.16		2839	4731	7.87	
Total												

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Out line of Takasima coal mine

1. Concession 5760 acres
2. Coal Reserue 172 million tons
3. Coal seams

The coal seams are in Tertiary strata, there are sixteen of them, seuen of which are workable

4. Quarlity of coal and its uses

The Takashima coals are said to be the best in Japan; their analyses are as follows:-

name of seams	moisture	volotile matters	fixed carbon	ash	Sulpher	cal
uwa-8ft-seam.	0.49	38.47	56.80	4.24	0.71	8245
goma-5ft-seam.	1.20	40.53	53.91	4.36	0.45	8160
kanto-5ft-seam	1.19	40.15	53.52	5.20	0.51	8050
18ft-seam	1.26	40.20	53.46	5.92	0.50	8060
shin-5ft-seam	1.28	39.86	52.16	6.70	0.83	7920
10 ft - seam	0.98	39.02	55.28	4.42	0.64	8140
13 ft - seam	0.98	38.08	56.40	4.54	0.61	8270

Goma-5ft-seam	1.12	40.53	53.91	4.36	0.45	8160
Banto-5ft-seam	1.13	40.15	53.52	5.20	0.51	8050
18ft-seam	1.26	40.20	53.46	5.02	0.50	8060
Shin-5ft-seam	1.28	39.86	52.16	6.70	0.83	7920
10 ft - seam	0.98	39.02	55.28	4.42	0.67	8140
12 ft - seam	093	38.08	54.49	6.38	0.61	8030

and they are used for gas produce. boilers and making cokes in furnaces.

5. Main Equipment

hoisting

Futago	1st ~~Incline~~	winder	200HP	for mine car capacity 800T/day
	2nd Incline	"	150HP	men
Hashima	2nd Shaft	"	2000HP	mine car capacity 1500T/day
	4th shaft	"	450HP	ventilation

Haulage

Futago	6T	trolley locomotive	×3
Hashima	5T	"	×3

Drainage

Futago	Pump capacity	400HP×2	150HP×3	pumpping up	80 c/m.m
Hashima	"	400HP×3	300HP×4	"	120 c/m.m

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Power. Plant

Futago 7000Kw generator

washing plant

Futago	Baum washer	100 T/H
Hashima	"	100 T/H

A. Various items actually practised in Takashima coal mine at present are as follows:-

1. in observing 9 points of economical rehabilitation programs it is decided to uphold responsible cost system within our companys coal mines

a) Improvement & modernization of underground mechanization

electric car transportation in the Main Entry

Utelization of steel profs in the long wall working face.

Enforcement of coal digging at the pockets.

Investigation and study of car loader

DECLASSIFIED E.O. 12065 SECTION 3-402/NNDG NO. 775013

a) Improvement & modernization of underground mechanization
electric car transportation in the Main Entry
Utelization of steel Props in the long wall working face.
Enforcement of coal digging at the pockets.
Investigation and study of car loader
Investigation of Clover leaf burn cut,
b) Saving of Essential Materials.
Timbers etc.
2. Improvement of Welfare facilities
3. Mechanization of Surface working conditions
Strengthening of Landing facilities.

B. Future Increase production Program
In order to improve and re-ajust efficiency deterioration owing to the removal to the Deep Side working faces and inadequate capacity of existing hoisting facilities of Futago pit and also to clarify the uneasiness owing to the shaking condition of Hashima pit Shaft, it is

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now under the contemplation of sinking
New Shaft.

1) Coal production - plan 400 tons per day or 120000 Tons per year
2) Depth of shaft 620 M
3) Shape & size of shaft Round dia 7.5 M
4) Shaft position Coal stock-pile at Futago pit
5) Shaft hoist Coal 7 tons skip hoist 2000 HP
waste & labour 2nd stair cage hoist 2000 HP
6) Main entry Futago Entry 3.000 M.
Hashima Entry 2.300 M
7) Development area, & its coal resources,
Futago Deep side area 38.376.000 tons
" North " 77.266.000 "
Hashima area 1.420.000 "
8) Date of completion March 1955

C. Required Items.

Futago Deep side area 38.376.000 tons
" North " 77,266 000 "
Hashima area 1= 420.000 "

8) Date of completion March 1955

C. Required Items.

1.) Revision of coal buying level prices.
2) Cancellation of the past defict by the Goverment financial defraymentn
3) To secure safty and production materials.
4) Rationalization of Kodan (Coal distribution corporation) machinery.
5) Revision of labor regurations.
6) It is desired that the government loan may be continued towards the industric promotion fund. In case if such fund is to be called off, taking special circumstance of Takashima Coal Mine, possible help and priority may be considered on behalf of this mine.

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Staff of Takeishima Coal Mine

Y. Kikutake	General Manager
S. Ikegami	Business Superintendant
T. Asaki	Engineering Superintendant
H. Koga	Superintendant of Futago Pit
I. Nakamura	Superintendant of Hashima Pit
T. Shindo	Chief of general affairs Section
K. Habaki	Chief of Accounting Section
H. Hatao	Chief of Material Section
T. Ojochi	Chief of Futago Labor Section
T. Sugawara	Chief of Hashima Labor Section
T. Matsushima	Chief of Futago living Necessaries Section
S. Kume	Chief of Hashima living Necessaries Section

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T. Ajachi	Chief of Futaya Labor Section
T. Sugawara	Chief of Hashima Labor Section
T. Matsushima	Chief of Futaya Living Necessaries Section
S. Kume	Chief of Hashima Living Necessaries Section
K. Arima	Superintendant of Coal Transport Section
K Atsuchi	Superintendant of Planning Section
T. Mikami	Superintendant of Futaya Mining Section
A Shimamura	Superintendant of Hashima Mining Section
S. Ito	Superintendant of Futaya Engineering Section
M Tamura	Superintendant of Hashima Engineering Section
H Sera	Superintendant of Power Plant
S. Imabayashi	Superintendant of Construction Section
T. Mori	Director of Hospital
K. Atsuki	Superintendant of Safety Welfare Section

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TAKASHIMA COAL MINE
1949

1. Section of Strata - Map
2. Map of Futago Coal Mine
3. Section of Futago Mine
4. Plan of Surface
5. Brief Collected Data on Futago Mine
6. Staff of Takashima Coal Mine
7. Statistics of Takashima Coal Mine covering Production, No. of Laborers, Output per man.
8. Outline of Takashima Coal Mine
   Concession, Coal Reserve, Coal Seams, Quality of Coal, Uses, Equipment, ,Items in Practice at Mine, Future Increased Production Program Items
9. Rpt, "Production Cost," Takashima Mine for January 1949, Feb 49
10. Coal Production Progress Report for January 1949, February 1949
11. Rpt, "Production and Safety of Hashima & Futago Pit," Takashima Coal Mine
12. Notes on Takashima Coal Mine - General Situation.
13. Rpt. on Production, Takashima-Futago Pit, dtd 11 May 49.
14. "Outline of Thermal Plant and Electric Receiving in Takashima Coal Mine", dtd 10 July 1949

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4-a. (1)

COAL PRODUCTION TEAM

F.C.T. 64
Oct. 8, 1949

Subject: Results of investigation of Takashima Coal Mine (Mitsubishi Coal Mining Co.)

To : Chief Kyushu Coal Board

Date investigated (September 28th ----- 30th)

Takashima Coal Mine is one of the best in Japan. And it is famous as a dollar box of Mitsubishi, ranking with Sakito Mine. It has very good coal seams and all facilities are in good order.

This Mine is expected to be a model mine in general conditions, and especially the study on mechanization of mine is desired.

Influenced by strike in May production of the First Half shows 91.4% against Government quota. It is delightful to know that various arrangement for increasing the output are carrying on very favorably, and coal is eagerly demanded from consumer as special grade coal.

Safety: As a rule ventilation and safety steps for various machine are favorable. Careful attention was requested to decrease accident rate in the Hashima Mine, which is increasing now. (one reason is considered the steep slope of the entry.)

Labor: Labor Union at Futago Mine distrusted it's executive officer, and is said to have re-election by voting. We can estimate that some improvement can be expected in the

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union's actions after the election.

Finance: Since the Second Half of 1948, financial situation of this mine turned for the better and they already secured financial independence. Even if it is helpless in the use of its funds do to the fact Mitsubishi Mining Company has lots of bad financing in other mines which need help, they should take some steps for settlement of unpaid accounts which amounted to 167,000,000 yen.

At the same time it is a matter to be considered at the Head Office that the Mine is suffering from lack of remittance from the Head Office as or indemnity of power expense (6,500,000 yen each month.)

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F a 00.

OUTLINE OF THERMAL PLANT AND ELECTRIC RECEIVING IN TAKASHIMA C. M.

10 July 1949

From the geographical point of view, Takashima Coal Mine has been using only their own private power plant. Present plant was established in May 1939 with a generating power of 700 KW. This plant was established in order to utilize special natural coke that was useless for other industries at that time. As we do not have special natural coke now, we are obliged to use coking coal.

The electric receiving project was planned from before, but due to the technical difficulty of undersea cable, it was difficult to complete. But the electric receiving project was completed in January 1948. Due to the bad situation of electric power, we received only an average of 390 KW per month although we were authorized to receive 2,900 KW per month. We desire to have more electric allocation, but it is difficult to get more allocation.

In the future we want to establish one more cycle changer of 3,000 KW. When we estabish a cycle changer in the future, we are afraid that we will have a great difficulty on electric allocation, but as Sakito Coal Mine is to complete a new thermal plan of 10,000 KW within next year, we are planning to transfer the suplus electric power generated at Sakito for the use at Takashima Coal Mine.

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ANALYSIS TABLE OF BOILE USE COAL FOR
POWER PLANT

	Moisture %	Water %	Vapor %	Fixed Carbon	Ash %	Calorie
April 49	2.40	1.18	31.65	49.07	18.10	6,700
May "	5.20	2.31	30.87	48.35	18.47	6,660
June "	3.40	1.20	32.33	49.32	17.15	6,780

EXPECTATION OF 1945

Output: 450,000 Tons

Coal for thermal plant use: 47,000 Tons

Necessary quantity: 35,000,000 KWH (Average 4,000 KW)

Quantity of electric power per ton: 77.8 KWH/Ton