添付資料 - 5

Operational Statistics during Trial Operation

Trouble Record during Trial Operation (from January 1965 to May 1985)

-	Γ		1	1 6	1	1		T	ı		r					 		
	W#			0.65				0.51	, s-a	0.57		0.59			0.35	0.54		
	Efu/1b			8,297				8,671		8,274		8,023			10,681	9,623		
	FC.		; ; ; ; ; ; ; ; ; ; ; ; ; ; ; ; ; ; ;	35.07				34.84		32.14		30.43	·····		47.50	 41.33		
A.R.)	Y.A.			28.13				32.15		34.52		33,64			23.76	 27,89		
Coal Analysis (A.R.	IM(AD)			12.28			:	13.85		16.62		16.13			7.44	 8 8		
Coal M	SK			8.67				7.63		7.23		9.62			6.12	 8.98		
	Asb			15.35				11.53		9.56		10.18		-	15.18	 13.0		
	Total moisture			20.95				21.48	. :	24.05		25.75			13.56	17.78		
	នដ		408.4	387.7		213.5	; ;	522.6		6.119	<b> </b>	479.3	42.2		94.9	178.9	0	0
	813		108.5	107.9		45.5		40.6	***************************************	133.9		54	3.0		42.5	 99.4	6	9.6
	Coal MT		0	5,196		3,030,5		2,226		1,465.6		O	2,764.8		12,622.9	13,304.9	7,406	6,021.1
	Coal AT		6,725	10,778		2,892.8		386.2 386.2 SSC 6,757.4		21,674,5		16,579.3	5,229.6		7,292.1	23,553.9	10,789	11,599
	M111 Trips		01	20		13		δ		22		13	01		14	vo	0	1
	Feeder Trips	•	344	240		127	-,-,	67		6		11	7		117	m	0	0
	Ave		174.5	288.2		300		302.6		282.3		255.4	242.3		279.5	249	248	. 248.2
Operation	田井		6.9	130.7		46.2		73.4		188.4		132.0	68.8	į	188.9	333.1	168	165.2
6	PENE		12,205	37,669		13,851.3		22,220		53,200		33,175	16,663		52,796	82,928	41,613	41,002
	Max MM		164 - 207	191 - 315		293-302		292-320		157~326		179~303	203-301		268-305	185-299	256-292	258-262
	Blend Ratio		ROH 100%	BOM/AC 2 : 1		ROM/AC 1:1	,	ROM/SSC/AC 0.2 : 3 : 1		2/22, 23, 27-3/2 SSC/AC 2/24-26, 3/2-6 SSC 100%		SSC 1004	SSC/AC 1.9:1		ROM/AC 1:1.7	SSC/CC 1.8 : 1	SSC/CC 1.5:1	SSC/CC 1.9 : 1
	Date 1985		1-20 1-23	1-24		2-6 2-8	) , ,	2-14 2-18		3-6		3-11	3-19		3-26	4-30	5-15	5-23

	Remarks	1/18-1/20 unit tripped due to clogging of silos C & D	Pientiful large and fused masses of fly asb with clay accumulated at the four Econ hoppers bottom	Flentiful large and fused masses of fly ash with clay accumulated at the four Econ hoppers bottom	2/1-2/5 S/D to make repairs of leaking sampling valve at boiler drum	Plentiful large and fused masses of fly ash with clay accumulated at the four Econ hoppers bottom	2/8-2/11 scheduled S/D for maintenance and unclogding of 4 Domomizer hoppers 2/11-2/13 S/D caused by the vibration and repair of the RH pipe	Since the SSC was fired in the boller starting Feb. 14, the major problem shifted from coal clogging to high temperature severe fouling in the convection pass. There is marked reduction of feeder and mill trips caused by clogging of silo with the firing of the SSC.	2/18-2/21 S/D caused by low furnace pressure resulting from severe fouling.	The AC run out of stock	3/6-2/11 S/D due to beavy accumulation of fouling deposits at the HPA and primary SH upper bank	Severe slagging and fouling are confirmed as due to the high NajO of the ash slagging and fouling are reduced to manageable levels if the load is lowered to 75%.	Slagging and fouling tendencies to develop MCR load are still classified as high.	3/22-3/25 S/D in order to remove the fouling deposits at the HRA	Feeder and Mill trips occured frequently, no coal on belt, clogging of the silo, crusher screen and chute, because SS is used again. No problem of slagging and foulting.	4/3-4/8 economic S/D. ROH continued to be fired in the boiler up to April 22. About 56,000 MT of Canadian Steaming Coal was unloaded on April 22 - 27.	The average maximum load has been maintained at about 2,600 kM in order to minimize slagging and fouling. Feeder and mill trips have been reduced to almost nil.	The same as the above.	The same as the above.
	Stagging Potential			Medium/Higb				High/Severe		Severe		Н19р			Medium		Righ		
ė.	Now			1,437				1,379		1,373		1,380			1,425		1,392		
usion Ter	DY H FI			1,360				1,287		1,275		1,210			1,351		1,262		e e
Ash	IDT oc			1,243				861'1		1,178		1,190			1,264		1,230		
	χ <sub>2</sub> Ο			1.60				1.33		1.63		1.81			1.09		1.28		
	Na.o			1.35				4.16		5.49		5.43			0.82		3.42		
	MgO			2.91				5,79		7.38		8,48			2.33		3.99		
alysis	CaO			6.06				8.84		8.60		5.68			7.55		77.7		
Asb Analysis	7102			1.42				1.80		1.61		1.23			1.83		1.67		
	Fe <sub>2</sub> O <sub>3</sub>			5.16				4.85		4.47		38.38			5.52		5.61		
	Al <sub>2</sub> O <sub>3</sub>			25.04		<del></del>		21.60		20.29		23.54		-	25.28		24.32		
	5102			49.20				41.70		39,88		43.88			48.38		44.85		
	1985		1-20	1-24		3-8		2-14		5-2		3-13	3-19		3-26		4-30	5-15	5-23

添付資料 - 6

Combustion Test Data

Test Boller Efficiency B.E.T.: Note:

												-																		<u> </u>										-						~_
	70/30		8/8	00:60	227	75	004	20.00	212	8	200	24.00	75	220	7.86	m (	4 K	9	32,22	257	4 6	93.2	100	~	۲, C	2		-,					Č	22	36			4 15	1	8	4 }	2			-	
200 MM	60/40		7/25	08:30	262	2	54.6	35	121	55	75	2000	200	480	97.5	52:	1 %	8	34.21	225	2 2	97-6	35	11	S }	0							'n	3 23	35		21	200		35	77	3	-			_
	55/45			04:00																					ନ୍ଥ ନ	2				9				. t	43	}	77	16	}	C)	8	3		:		
		0 <sub>2</sub> Adjust	8/15	11:30	293	79	480	25	ω	43	2 (	284	69	9	98.0	96	7 85	7.5	45.58	270	2 6	111.7	86	'n	ហ្វ	2							ŭ	n 60	43		8.	1 %	}	38	vi į	4				
	100/0	MB Adjust	٠. ا	14:30																					2 t	ú							ζ	12	65	ŧ,	76,	A EL	};	26	N (	30 4				
		Mill Out Temp	7/26	10:45	302	45	1054	16	7	47	25	282	67	9	105.0		47	75	43.46	269	ח כ פ פ ט	101.4	97	7	7.7	?		_					0	7 7	47	. (	, c	47	;	76	N	<b>\</b>				
25 MM		0	7/26	09:00	271	0 t	0 40 0 40	42	12	46	2,5	273	67	009	102.7	7,	- F	65	42.34	263	0 0	8.96	76	~	41	n S			•			-	•	17.	46		70,	۸ از	}	16	α <u>:</u>	4		<del></del>		
7	20/30		8/	11:00	248													<del></del>			-	_						^					ç	9 29	36	1	3.7	4 4	}	8	74	m m				
	60/40		7/25	34 30	236	69	04.40	36	22	# (m	200	219	71	510	98.6	97.	0 10	08	37,80	231	5 6	, n	32	20	62	2							- 20	22	34	1	92	9 6	<del></del>	32	2	62				
	55/45			97.18																													7	79	57	1	57.	1 6	; :	43	53	233			<del></del>	
	70/30		8/8	18:30	307	- 2	10,400	44	11	D (	70 07	283	76	000	706	<u> </u>	77	82	49.82	230	0.00	114.3	100	7	25	 9	:			:			•	11	69	-	ရှာ င	7		201	7	62	•			
		O, Adjust	11/8	11:30	278	27.5	2000	26	11	67	 21 00 21 00 20 20 20 20 20 20 20 20 20 20 20 20 2	286	75	620	104.9	m r	2,92	35	45.72	268	0 0	9.86	40	15	84.6	ຄ	•							17	29	<del></del>	 00 C	2,0	2	9	τί N			<u> </u>	-	
SUD MW	60/40		9/8	16:30	212	9 0	0 m	22	27	er t	2 0	251	70	590	102	7 5	4 00	82	46.96	249	9 2	106,1	32	8	12.5	e G								27.0	Ą.	- 1		7 6	?	32	2	52				
			7/25					386	12	M L	0.0	274	11,	620	113.4	4.	70.	06	52.01	264	0 0	108	54	12	5	ა ი	:						Ċ	2 10	64	1	w .	16	2	5.4	12	001				
	55/45		1/27	21:00	274	69	0.00	24	80		200	260	69	595	102.4	7 .	2.68	06	51.02	4 (	2 8	102.2	. P.	29	63	7P			-					- C	88	: 3	M .	3.6	5	43	53	63				
.1.	B.E.T.		11,1984	36.7	196.2	0,77	8,770	?		ò	9 0	174.6	78.9	500-0	86.7	 \$	 }	96	37.1	174.2	200	82.5	1	62		7.6				···				*****		<b>-</b>										
				1/2	υ,	ပ္	DY H	or i	عو	the s	₹ ₹	# U	ာ့ပ	mmAq	T/H	, co	P cf	· 4	E/L	ပု	y <u>!</u>	#/L	#	**	. دي	≪ į!	ار د د		makg	H/H	= #	96		* #	عين د	<b>,</b>	:	p d	0 6	. 40	gy.	<i>d</i> e (	, , , , , , , , , , , , , , , , , , ,	- in	æ 1	#C
	Coal blend ratio (S/A)			word feeder flow	inlet air temp.	air coal outlet temp.	olit. drait	hot air damper open	cold air damper open	capacity damper open	motor amp.	Coal reeder 110*	air coal outlet temp.	differential draft	primary air flow	hot air damper open	cold all damper open	motor ago.	coal feeder flow	et air temp.	air coal outlet temp.	nimerencial draft	hot air damper open	cold air damper open	capacity damper open	motor amp.	Codi Lecter Lion	air coal outlet temp.	differential draft	primary air flow	All damper open	capacity damper open	motor amp. A	hot air damper open	capacity damper open	classifier vane open	hot air damper open	cold air damper open	Capacity camper open	hot air damper open	cold air damper open	capacity damper open	classifier vane open	cold air damper open	capacity damper open	assitier vane open
	Coal		Date	Time			A Mili Gitt B Mili pri					B Mill Codi	٠		-4	·	B Mili Cold		H	. بــر	<b>.</b>	C Mill orth	1 1-4	À	erd.	C Mili moto	-	4	ri.	777	שה הנוא כ	X177	~4 /	A Mill not	Mil	M111	Mill	811	1 T T T T	M111	MIII	8111	C Mill Cla	MEII	M111	D Will Cla

	T	~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~	m m sa ro	Dinne				
70/30	8/8	9.37 14.2 39.3 56.5 56.5	64.13 4.38 1.24 0.85	18.26 18.26 3.47 3.47 1.168		82.39 95.75 98.82	5.70 9.08 10.92 11.85	2.72
200 84	7/25	7.70 15.1 37.7 47.2 5840	65.52 4.33 1.29 0.67	2.45 2.45 2.46 2.46 2.46 2.46 2.46 2.46 2.46 2.46	1200 1340 1390	83.11 96.70 99.50		4.46
55/45	7/22	6.92 16.9 37.1 46.0 5810	63.81 4.26 1.37 0.73	15.97 15.97 15.97 1.90 0.80 0.96	1200 1390 1430	85.13 96.74 99.59		2.58 5.58 7.58
Ç3	8/15 11:30						1.22 3.28 1.18	1.02
100/0 WB	7/26	11.68 15.1 42.8 42.1 5150	60.43 4.26 1.02 0.96	24 48 24 24 24 24 24 24 24 24 24 24 24 24 24	1230			0.96
MIII	7/26	11.68 15.1 42.1 5150	60.43 4.26 1.02 0.96	44444444444444444444444444444444444444	1230 1290 1330			
225 MM	7/26	11.68 15.1 42.1 5150	60.43 4.26 1.02 0.96	24.46 24.46 24.46 24.46 24.46 24.46 24.46 24.46 24.46	1230	77.54 95.17 93.65 73.43 92.54 70.26 91.01		2.11
70/30	8/8 11:00	9 37 34 37 56 55 56 55	64.13 4.38 1.24 0.85	18.88 18.88 3.47 3.47 1.48 1.148	1190	80.58 95.49	4.77 7.45 8.96 8.25	3.42
60/40	7/25	7.70 15.1 87.2 5860	65.52 4.33 1.29 0.67	2.45 2.45 2.45 0.86 1.08 0.86	1200 1340 1390	83.72 96.45 99.72		5.22
55/45	7/22	6.92 16.9 37.1 46.0 5810	63.81 4.26 1.37 0.73	15.97.2 1.90 1.90 0.80 0.80 0.82	1200	88.766 24.766 44.44		2.58
70/30	8/8 18:30	9.37 14.2 39.3 46.5 5650	64.13 4.38 1.24 0.85	18.88 13.84 10.92 11.48 11.48	1190 1280 1320	78.72 94.44 94.44 79.05 98.99 72.98 91.65	4.5.58 2.58 2.26 2.26	3.72
02	8/11 11:30	8.79 14.7 39.3 46.0 5640	63.84 4.37 1.24 0.74	18.43 18.43 18.43 19.45 10.89 10.95 10.95	1180 1310 1350		3.26	2.14
300 FW 60/40 WB	1					82.99 99.36 99.36 95.33 95.23 78.74 94.13	4.08 4.08	3.30
	7/25	7.70 15.1 37.7 47.2 5840	65.52 4.33 1.29 0.67	2.60 2.60 2.60 2.60 2.60 2.60 2.60 2.60	1200 1340 1390	81.79 99.39 99.39 99.28 78.80 94.18		2.92
55/45	7/21 21:00	6.92 16.9 37.1 46.0 5310	63.81 4.26 1.37 0.73	67.2 15.97 15.97 1.90 0.80 0.96	1200 1390 1430	949.88 98.89.98.39 98.00.39 98.00.39 98.88 99.88		. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0.
B.E.T.								
		alue * * b1/g	80 40 40 B	0 * & * * * * * * * * *	, ဂ်ဂ်ဂ်	Sec 30: 90: 90: 90: 90: 30: 30: 30: 30: -	00 00 00 00 00 00 00 00 00 00 00 00 00	
Coal blend ratio (S/A)	Date. Time	JICA Analysis Proximate Analysis of Calorific Value Foixture Asb Dry Basis Volatile Matter Dry Basis Fixed Carbon Dry Basis Calorific Value Air Dried Basis	Ultimate Analysis Carbon Dry Basis Hydrogen Dry Basis Nitrogen Dry Basis Sulphur Dry Basis	Analysis of Ash Dry Basis, Ash Free Sido, Algo, Algo, MgC MgC Tio.	Sh Tusion Temperature O Initial Deformation Hemispherical Fluid	of Pulverized Coal  of Sieve passing  fo sieve passing  fo sieve passing  of sieve passing  sieve passing  of sieve passing	Unburned Carbon Economizer Ash Hoppers 1 2 3 4 4	EP Hoppers 1A 2A 1B

						<u> </u>	
25,05	12/27	8/8	410 225 530 245 430 260	88 4 4 6	1.25 1.25 2.7 3.6 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0	22. 1.25. 22. 22. 24. 27. 27. 27. 27. 27. 27. 27. 27. 27. 27	
- CO	2.700	7/25	420 260 480 205 490 250	12.2 32.3 33.0 33.0 33.0 33.0 33.0 33.0 3	100 11.96 25.7.7.25 5.7.7.25 5.7.7.25 5.7.7.25	222 60 222 60 222	
1 27/22	C#/CC	7/22	470 200 510 250 250 200	000 II 000 II 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	22.750 22.750 27.750 27.750	881760002228	
+	0 <sub>2</sub>	8/15 11:30					
0/001	AG1ust	7/26	540 340 600 285 580 275	1100 1117 1117 655 700 775	0111 0011 402.0 402.0 602.4 602.4 603.4 60	110 98 1.12 45 45 00 70 70	
	Mill Out Temp	7/26	And the second				
225 MW	1	7/26	530 275 275 275 280 265	1000 1.2 1.2 4.2 2.4 2.7 2.7 2.7 2.7 2.7 2.7 2.7 2.7 2.7 2.7	4111 4111 835 00 74 00 140 1	100 100 113 50 113 60 100 100 100 100 100 100 100 100 100	
06/02	26	8/8 11:00	420 245 265 265 276	1881 1882 2007 2007 2007 2007 2007 2007 2007 2	101 1.25 1.25 81 86 0 0 0 79 79	101 101 1-25 32 32 39 77 72 75 75	
1 04/02	) )	7/25					
26/36	C#/CC	7/22	520 210 230 220 460 200	266 1 026 0 0 2 4 2 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	2821 2821 2822 2822 2822 2822 2822 2822	000 H 0 0 0 4 4 5 8	
70/20	 S	8/8 18:30	800 820 820 820 820 820	1066 1108 71 71 71 88 80 88	1112 125 28 - 36 73 89 73 73 73 73	117 113 113 62 62 50 88 79 88	
	O <sub>2</sub> Adjust	8/11 11:30	570 280 630 285 570 275	100 1.1 1.1 73 113 811 79 79	106 101 101 101 100 100 100 100 100 100	40111 40111 844 870 877 878 879	
300 CM	-		540 2115 250 250 250 255	98 100 1:1 45 47 47 45	102 110 11.25 100 47 73 74 74	111 1.25 1.25 2.25 7.74 88 7.79	
		7/25 16:30	260 260 260 260 260	1110 1.2 1.2 45 74 74 74	115 1115 75 75 50 90 72 72 72	000 000 000 000 000 000 000 000 000 00	
56/45	}	7/21 21:00	280 280 280 280 280 280 280	105 105 111 111 80 80 48 74 74 74	101 103 111 88 00 177 727 727	44 H 0 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	
E G							
			Ammenta Construction Constructi	HHE*H *00*	1/H 1/H %	H + 1/1 H + 1/2 C C C C C C C C C C C C C C C C C C C	H # 4/2
(SA) When rath (S/A)			Diff. Press Pri. Air Temp. Diff. Press Pri. Air Temp Diff. Press Pri. Air Temp	PA Damper (Set) PA Damper (Set) PA Damper (Blas) PA Damper (Output) Fdr Demand (Blas) Fdr Demand (Output) Coal/Air Temp. (Set) Coal/Air Temp. (Set)	PA Damper (Set) PA Damper (Set) PA Damper (Blas) PA Damper (Output) Fdr Demand (Blas) Fdr Demand (Output) Coal/Alr Temp. (Set) Coal/Alr Temp. (Set)	PA Damper (Set) PA Damper (Set) PA Damper (Bias) PA Damper (Output) FA Demand (Bias) FAr Demand (Output) COALAir Temp. (Set) COAL/Air Temp. (Set)	PA Damper (Set) PA Damper (Blas) PA Damper (Utput) Pdr Demand (Utput) Fdr Demand (Utput) Coal/Air Temp. Coal/Air Temp. Coal/Air Temp.
	Š	Date Time	A M MIII  C C MIIII  D MIIII  MIIII	A Mill	8 M113	C #111	O WILL
					······································		

; ;		8/8 2/8 2
	70/30	
	200 MG 60/40	24.55 25.75 27
	\$5/45	24, 24, 25, 25, 25, 25, 25, 25, 25, 25, 25, 25
	O <sub>2</sub> Adjust	1312
	100/0 NB Adjust	56.00 56
	Mili Out Temp	10:45
	225 FM	2,726 09:00 1,086 1,206 1,
	70/30	8.88 888 889 889 881 885 885 885 885 885 885 885 885 885
	60/40	10:30
Combustion Test Data (5)	55/45	27272 888 889 880 880 880 880 880 880
ustion Tes	70/30	8/81 8/81 8/82,1 6/82,1
Comp	O <sub>2</sub> Adjust	11:11 10
: :	300 HR 60/40 WB Adjust	8/8 0611 1000 1100 1200 1
		08111 0821 0821 0821 0821 0831 0831 0844 0944 0944 0944 0944 0944 0944 0944
	55/45	21.07 11.00 11.00 11.00 12.00 13.00 14.00 15.00 16
	E E	
i,		THE
	Coal blend ratio (S/A)	The linet (Set) Inlet (Set) Inlet (Output) Inlet (Inlet Damp (Set) Steam Temp. (Set) Inlet (Output) Inlet (Inlet Temp. (Set) Inlet Temp. (Output) Inlet Temp. (Inlet Temp. (Output) Inlet Temp. (Inlet Temp. (Output) Inlet Temp. (Inlet Temp. (Inlet Temp. Inlet Temp. (Inlet Temp. Inlet Temp. (Inlet Temp. Inlet Temp. (Inlet Temp. Inlet Temp. Inlet Temp. (Inlet Temp. Inlet Temp. Inlet Temp. (Inlet Temp. Inlet Temp. (Inlet Temp. Inlet Temp. Inlet Temp. (Inlet Temp. Inlet Temp. (Inlet Temp. Inlet Temp. Inlet Temp. (Inlet Temp. Inlet Temp. Inlet Temp. (Inlet Temp. Inlet Temp. Inlet Temp. Inlet Temp. (Inlet Temp. Inlet

1000	٠.,									<del></del>			-		<u> </u>													7.					7.							٦
32,32	70/30		8/8	468,7	530.4	\$ 1.4 \$ 1.4 \$ 1.4 \$ 1.4	479.7	649.6	2 × × × ×	492.8	248	525.4	562.2	541.1	464.9	539.9	523.8	531.5	532.2	516.2	200	558.0	538.1	509	439.1	559.5	537.6	524.1	491.5	528.8	88	489.6	491.5	477.7	26	573.3	557.1	533.2		
200 MH	60/40		7/25	434 554 854 854 854 854 854 854 854 854 85	522.0	447.7	452.7	436.5	400.0	475.5	527 7	515	545.9	532.5	4.4.4	530.9	518.0	521.7	23.8	508.7	549.8	550-9	532.2	504.7	1885.7	248	529.8	529-6	476.1	517.4	0.464	502.4	499.1	480.8	4-C72	579.3	567.4	535.7	•	
11	55/45		7/22	416.5	513.8	431.1	452.2	436.7	4. V. V.	490.5	525 7	506.2	536.0	515.6	0.0	519.6	208-8	525.7	532.3	515.1	255	552.9	534.1	501.5	482.7	. 20 20 20 20 20 20 20 20 20 20 20 20 20 2	528.7	530.8	477.6	514.4	4,004.7 7,47.7	532.5	532.7	513.3	755.3	608.4	592.1	564,4	7*0	
		O <sub>2</sub> Adjust	8/15 11:30	457.8	532.5	467.9	482.3	477.6	707	499.4	077	527.8	567.9	543.7	458.3	536.4	523.1	523.1	530.6	509.7	256.00	546.5	521.9	505.0	487.4	6,990	536.4	534.3	469,3	28	481-1	517.2	516.7	500-6	0.00	610.7	9.009	574.0	2	
0, 00	I	KB Adjust	7/26	455	529.9	458.3	479.6	457.6	663.0	488.5	635	515.7	547.4	523.9	4555.4	533 3	519.7	527.2	527	207.3	555	549.6	526.1	493.1	474.8	539,7	555.2	550.7	484.1	512.5	488.8	505	438.7	481.8	524.0	586.2	575.2	544.4	7	
		Mill Out Temp	7/26	458.6	535.4	462.6	479.0	463.1	4/0./	498.0	P.40.9	517.5	558.3	534.6	461.9	540.2	523.4	523.7	525	506.1	560,7	551.1	527.7	8.96	476.8	555.8	555.8	553.0	486.4	503.5	478.7	486.2	491.1	472.8	0.010	8,50	584.9	552.8	***	
225 MH	_1	0	7/26	441 670 6	523.7	442.2	461.5	443.1	400.4	481.6	237 4	510.3	544.0	526.0	442.2	528.5	514.5	523.6	526.0	6,605	553.7	546.9	527.9	492.5	473.8	541.8	546.0	542.0	480-1	505.4	479.4	490.0	494.9	475.6	5.44.0 C 44.0	590.2	577.7	548.4	7 T T T T	
00/00	05/0/		8/8 11:00	487.4	519.2	448.2	467.6	451.0	459.7	6.069	541,5	519.7	553.7	533.1	447.2	527.2	512.9	522-1	527.9	509.9	557.8	248	528.7	509.5	489.8	563.7	532.9	528.7	473.1	511.8	492.6	0.86%	489.3	471.9	7 07C	589.7	578.9	550.8	5*076	
107/02	60/40		7/25	442 478 4	524-6	442.1	463.9	5.0	400,4	485.3	535.0	516.7	543.0	530.6	446-1	534.8	518.9	521.5	522.4	507.0	551.8	554.9	534.2	501.2	481.2	550.4	543.8	144.0 0.0	489	521.5	8.86	484.7	488.2	468.7	2000	575.2	567.5	540.0	1.010	
66746	25/42		7/22	453.6	519.6	446.1	460.6	451.2	462.2	493.0	532.4	512.4	543.2	523.5	435.1	530.5	518.7	523.0	524.8	510.0	551.0	4 4	536.3	499.0	479.5	546.4	550.1	549.4	492.0	513.3	489.2	508.6	9.063	471.6	יים אלות אלות	, AGA	570.1	535.1	7.020	
06/02	08/0/		8/8	502.4	533.3	471.4	484.0	464.0	869.8	499.0	543	521.3	565.9	539.1	479.5	534.9	520.1	522.7	534.7	513,4	570-7	557.3	531.7	502,2	479.9	581.0	562.2	560.1	503.3	493.0	476-1	461.3	480.1	460-1	213.4	588.0	575.8	540.6	0.676	
		O <sub>2</sub> Adjust	8/11	469.5	532.0	473.5	482.4	473.4	473.0	500.7	546.2	523.6	563.5	541.5	483.1	529.0	516.4	5, 10 10 10 10 10 10 10 10 10 10 10 10 10 1	535.8	512.0	564,8	200	526.1	501.5	1 684	580.1	550.5	569	497.0	487.6	\$68.6	473.3	499.1	481.5	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	0.80	588.5	560.8	0.070	
300 MM	05/09	WB Adjust	3/6	501.6	540.3	481.5	486.6	471.6	476.7	498.3	551.1	524-3	574.1	547.3	492.7	531.1	520.6	519-4	541.7	520.0	572.8	557.5	534.3	512.2	493.0	593.7	574.2	573.2	514-1	498.1	673.3	868.8	501.2	482.9		504.0	586.1	562.2	272.	
			7/25	494.9	535.0	4.66.5	465.1	462.3	468.4	490.4	5.09	524.0	568.3	544,1	476.4	530.8	513.9	512.2	543.4	518.0	578.5	55.0	529.7	511.2	492.9	583.4	567.0	568.6	515.4	486.1	472.2	454.7	500.8	482.1	521.0	617.3	607.7	579.2	7.670	
5K/A5	1 1 1 1 1 1 1	-	1/21	499.9	543.7	67.5	475.5	456.5	462.4	491.3	542.6	518.0	568.4	545.0	480-9	533.5	518.7	520-1	538.9	518.7	576.2	556.2	533.7	489.6	473.9	560.9	551.5	557.6	498.5	466.1	453.7	438.1	470.1	454.4	496.7	263.0	576.6	539.1	203.9	
£ 0.	7.2.0								•						•										,												-			
					ທ <sub>ູ</sub>						, C	2	မ က	4 4	າຍ	7 °C	ပ္ပ	ر د د	12 12 13	17 17 17	13	12 20	၂ ၁	ນຸ	ပ (၁ (၁ (၁	ر د د	S	ပ္ပ	ຸພ	ပ	ည္ : သ	15	13 %	25	25	212	18	19 2,5	2	
(8/8)	(3/8)		•	ai temp.			al temp.				£	Q.	-Qu	d.	emp.	9	temp.	ម្នា	eno.	temp.	temp.	e e	- dp			•			•					•			•			
(S/S) Alend ratto (G/S)	כוום זקרזי			tube metal		tube metal	tube metal	tube metal	tube metal		metal tem	metal temp.		metal ter				metol ten					metal temp	metal temp.	metal temp.	metal temp.	metal temp	metal temp.	metal temp.			metal temp.	12.			metal temp.	metal temp.		metal:temp	
914 6607	COME DAY		,	9 2		ort.	out	out	5 6		4		tube	tube	t does	tube	tube	ğ.	9		ţ.		Ç.	tube	tube	1.00	tube	tube	t due	tube	ga.	a de la companya de l	i p	tube	tube	- Cube	4	tube	tube.	-
										D1v. E	T T								Final				Final			S S S			AH OUT			20 25				NA OUT		RH out		

7.77 7.77 7.75 8.66 7.75 7.75 7.75 7.75 7.75 7.75 7.75 7	coar press ratto (S/A)	C	E	26/32		25,00		25/35	2000	201,00	35/35			0,000		1000	1 CO.	25/35
Marie		n	7.7	27/42	-	04/09		05/0/	25/45	05/00	25,07			0/001		25/62	06/00	25/20
THE STATE OF THE S			-				Adjust						Out Temp		Adjust			
THE STATE OF THE S				7/21	7/25	8/6	- 6	8/8		7/25	8/8	7/26	7/26	7/26	8/15	7/22	7/25	8/8
1,286   1,28	<u> </u>	<u></u>	:	20:30	16:00	16:30	2 8	18:00		10:00	10:30	08:30	Ç	14:45	11:30	30	38	08:30
1,740   1,780   1,390   1,30		ပ္ပ		1,265	1,260	1,270		1,250		1,240	1,220	1.275		1,205		1,210	1,200	1,220
1,355   1,346   1,350   1,350   1,32		ပ		1,240	1,280	1,230		1,240		1,225	1,200	1.285		1,215		1,215	1,190	1,220
°C         1,350         1,	t near S/B F-2	Ų	1	1,420	1,365	1,340		1,350		1,325	1,320	1,290		1,280		1,330	1,315	1,330
C	near S/B F-5	ပ		1,395	1,350	1,390		1,350		1,340	1,320	1,300		1,320		1,295	1,310	1,320
C	r near S/B D-2	ب. رن		1,530	1,460	1,460		1,435		1,410	1,430	1,370		1,370		1,400	1,400	1,400
1,550   1,450   1,450   1,450   1,33	near S/B D-7	ပ		1,540	1,460	1,420		1,420		1,410	1,385	1,330		1,355		1,380	1,390	7
1,500   1,460   1,460   1,465   1,400   1,300   1,300   1,300   1,300   1,300   1,300   1,20	S/B C-3	ပ	_	1,510	1,440	1,410		1,410		1.400	1,380	1.330		1.320	:	1.380	1.365	1.400
1,386   1,386   1,386   1,280   1,28	S/B C-2	ů		1.530	1.460	1.460		1,465		7,47	1.400	1.370		1 345		1 390	300	300
11300 1,790 1,290	bt 2nd Port	ی و		7.380	308	1.290	1.210	1.240	.030	1.240	051.1	100	-	000	7 210	200	1 235	
1,1310   1	tor Dorr	٠, ر	_	200	000	000	•	2 1		200	201			2074	244	36	100	10
1,115	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	۽ ر	_	200	0000	000	•	7,4	200	200	200	300	-	1,423	37.7	27774	7,700	100
THE COLOR OF	1 730 FOLL	اد	•	070.4	2/2/	7,17	•		200	7,100	2027	C/1/1		7,640	21.4	7,17	201	1,420
1,135         1,130 <th< td=""><td>71</td><td>μ</td><td></td><td>1,150</td><td>1,160</td><td>1,140</td><td>•</td><td>1,135</td><td>060, 1</td><td>1,090</td><td>1,080</td><td>1,050</td><td>_</td><td>1,075</td><td>1,060</td><td>1,080</td><td>1,055</td><td>58</td></th<>	71	μ		1,150	1,160	1,140	•	1,135	060, 1	1,090	1,080	1,050	_	1,075	1,060	1,080	1,055	58
°C         1,000         1,	6-R	ပ		1,115	1,130	1,110	•	1,135	1,100	1,095	1,070	1,075		1,060	1,060	1,070	1,035	1,040
C 10040 1,010 1,025 1,000 1,00	Port	ບ			1,010	1,000	•	1,040		096	950	920		920	935		9	935
THE PART OF THE PA	\$ ± ± ± ± ± ± ± ± ± ± ± ± ± ± ± ± ± ± ±	١		Ogo	0.0.	200	•	000	Cap	500	070	07.0		000	Cas	960	6	Ç
THE COLOR OF THE C		) <u>;</u>		200			•	200	2 2	1 0	200	3 6		3 5		200	000	9 6
1,000 1,000	XI of	ي ر		0 0	7,0			000	0 to	n (	200	000		2010	000	7 10	200	7 6
7. C. 1,000 1,010	FORT	پر		28.6	4,035	5,0	•	200	A :	200	200	200		200	20,00	ή, ή,	2 5	200
7. 4.8 4.8 4.8 4.9 4.8 4.9 4.8 4.9 4.9 4.9 4.9 4.9 4.9 4.9 4.9 4.9 4.9	ort	ب. پر		000	1,000	1,010	•	066	970	000	940	945		096	986	945	925	950
open         4.8         4.9         4.8         4.9         4.8         4.9 <td>d Port</td> <td>ပ္</td> <td></td> <td>955</td> <td>1,025</td> <td>1,010</td> <td>•</td> <td>066</td> <td>1,010</td> <td>935</td> <td>950</td> <td>920</td> <td>_</td> <td>980</td> <td>995</td> <td>956 516</td> <td>8</td> <td>8</td>	d Port	ပ္		955	1,025	1,010	•	066	1,010	935	950	920	_	980	995	956 516	8	8
4.8 4.8 4.8 4.8 4.8 4.8 4.8 4.8 4.8 4.9 4.9 4.9 4.9 4.9 4.9 4.9 4.9 4.9 4.9		_							•							•••	<del>i</del> .	
4.8 4.6 4.8 4.6 4.8 4.6 4.8 4.6 4.8 4.8 4.6 4.8 4.8 4.8 4.8 4.6 4.8 4.8 4.8 4.8 4.8 4.8 4.8 4.8 4.8 4.8	open			ω.		0.5	o.	o,	8.	8.	ζ. Qı	6.7	4.9	<u></u>	80	Α. (0)	7-5	4
976 4 4.2 4.0 4.0 4.0 4.0 4.0 4.0 4.0 4.0 4.0 4.0	) Doen			8,4	9	8	00	00	80	7.6		er.	60	00	4.6	9	4.6	α) •
3.2 3.7 3.8 3.9 3.8 3.7 3.7 3.8 3.7 3.8 3.7 3.8 3.7 3.8 3.7 3.7 3.8 3.8 3.7 3.7 3.8 3.8 3.8 3.7 3.8 3.8 3.8 3.8 3.8 3.8 3.8 3.8 3.8 3.8	100		-	10	6 4	C	4	4	4	4	4	4	, A	0	4		10	4
4.2 5.0 5.0 5.0 5.0 5.0 5.0 5.0 5.0 5.0 5.0									• •			,	2 6		, ,		. (1	. 0
4.2 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2			-	3	, (	7 1	,	9 6	;	2 1	7 :	3 1	2	2		,		•
4.8 4.5 4.5 4.5 4.5 4.5 4.5 4.5 4.5 4.5 4.5	Ted.			7.5	0.0	2 '	0	⊃ ·	7	2	2	? ?	2.0	2,	7	7	,	0.
5. 4.8 4.6 5.0 5.0 5.0 5.0 5.0 5.0 5.0 5.0 5.0 5.0	) ben			œ.	5.5		4.	5	eo.	4	ν, 	,	5.5		4.4	φ, ω,	ų.	4
5.4 4.8 5.0 4.6 5.0 5.0 5.0 5.0 5.0 5.0 5.0 5.0 5.0 5.0	) Deti			นา	4	4.7	7	9	<u>د</u>	80	9.4	0,	0	80,5	8	L/S	4.6	4.6
5.4 5.0 5.0 5.0 5.0 5.0 5.0 5.0 5.0 5.0 5.0		_	-	ď	v	4	r.	4	v	67	4	۲ <i>د</i>		C Ir		ır	O,	4-6
5.4 5.0 5.0 5.0 5.0 4.9 5.0 5.0 5.0 5.0 4.9 5.0 5.0 5.0 5.0 5.0 5.0 5.0 5.0 5.0 5.0			•	) U	. <	· ·			· ·							י ני	α .	ď
5.4 5.0 5.0 5.0 5.0 5.0 5.0 5.0 5.0 5.0 5.0	been			י מ				,	י ה	0	2	7	, i	2	-	3		,
5.4         5.0         5.1         5.4         5.0 <td>open</td> <td>_</td> <td></td> <td>un.</td> <td>ο.</td> <td>20.</td> <td>0.</td> <td>0,</td> <td>ın</td> <td>o.</td> <td>4.9</td> <td>2.0</td> <td>5.0</td> <td>0.0</td> <td>4. 0,</td> <td>hù.</td> <td>Δ, </td> <td>2</td>	open	_		un.	ο.	20.	0.	0,	ın	o.	4.9	2.0	5.0	0.0	4. 0,	hù.	Δ, 	2
4.0 4.0 4.0 4.0 4.0 4.0 4.0 4.0 4.0 4.0	open	-	-	ν,	0.0	٠. ٥٠	'n	5.1	4,4	0.0	 	0.0	C.N	0.5	2,5	~,	2,0	, ,
open 0.2 2.2 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	กาคม	_		-	0	0.4	0	0	47	4.0	4.0	0.4	0,0	0.4	0,4	4	0.4	٠ •
0.2 2.5 0.2 0.2 0.2 0.2 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.2 0.2 0.2 0.2 0.2 0.2 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5	1			٥		4.4	2.5	7.2	0		1.2	0.0	0.0	0.0	2.2	0		1.2
5.5 5.0 5.0 5.0 5.0 5.0 5.0 5.0 5.0 5.0	1	_				r r	· ·		- C	_			c	ď	0	C	-	2.5
3.2 2.5 2.9 3.2 2.9 3.2 2.9 3.2 3.2 3.2 3.2 3.2 3.2 3.2 3.2 3.2 3.2	Desi	-		N 10			, ,				;	, ,	,	}			_	,
5.0 5.0 5.0 5.0 5.0 5.0 5.0 5.0 5.0 5.0	ypen	_	•	0,4		4 0	0.	7.1			7-7	2 .	- - - - - -	- ·	2.0	3 6		4 (
50 50 25 25 25 50 50 25 50 50 25 50 50 25 50 50 25 25 50 50 2	open			3.2		2.	7.0	2	7.5	_	6.2	0.1	O. 1	7*0	3	2.7		X - X
50 50 25 25 25 50 50 25 50 50 25 25 50 50 1	Sen (Right)			20	았	25	25	25	20	20	25	က္ခ	2	25	25	S S	20	12.5
	Carry (Tart)	-	_	S	50	25	25	25	- S	S.	25	20	20	25	52	 22	S	12.5

Combustion Test of Calaca Unit I Boiler

		1075 75 75 75 75		200		#   					(1-1)
Item	Unit	Measuring Point			Rec	Recording			B.E.T.	ANN High	ANN
Test Number			A-2	A-2	A-1	A-1	A-0	A-0			
Date			7/21	7/21	7/22	7/22	7/22	7/22			
Time			21:00	21:30	01:30	05:00	04:00	04:30			
Coal blend ratio (S/A)		:	55/45	55/45	55/45	55/45	55/45	55/45			ur.
rator 1	MM	DL Q20W10	298.7	303.6	224.6	223.3	201.8	2002	300		
Main steam flow	H/T	DL G21H10	927	917	710	711	644	637	913.3		
Feed water flow	т/н	DL E15F10	818	841	671	649	593	584	881.5		
SH spray flow	T/H	DI ESSEIO	68	88.4	45.4	56.8	50.5	53.7	56.4		
Drum level	mm	DL E20110	-14.9	-2.1	-13.9	2.8	4.6	4.8	-11.7	127	-203
> Drum pressure	kg/cm <sup>2</sup>	DL E20P10	180.4	179.9	177.4	175.9	175.1	174.3	187.2	200	
Turbine inlet steam press.	kg/cm <sup>2</sup>	DL G21P10	166.8	166.3	169.8	168.5	1.69.3	168.5		171	
J	၁့	DI ECOTIO	547.7	541.4	536.1	538.0	537.4	540.5	542.5		
RH outlet temperature	ပ	DL E74T10	532.5	560	538.5	537.5	538.5	539.7	541.6	14.5	
Eco. inlet feedwater temp.	၁့	DL E10T10A	276.3	276.8	258.4	257.9	251.7	251.3			
A Hot primary air flow	T/H	DL A42F10	113	117	111	103	66	105			
B Hot primary air flow	T/H	DL A46F10	129	128	106	118	108	105			
A Tempering air flow	H/T	DL A42F20	47	52	57	56	56	57			
B Tempering air flow	H/T	DL A46F20	52	48	56	52	21	52			
air	T/H	DL A52F10	377	371	240	236	209	210			
air	T/H	DL A52F10	423	434	263	256	235	229			
Total air flow	H/T	DL A60G10	1,145	1,156	834	831	753	757			
Boiler exit gas O <sub>2</sub> (A)	υp	DL A80C10	2,35	2.55	3.05	3.15	3.17	3.09		5.88	2.94
Boiler exit gas O, (B)	σiο	DL A80C20	1	1	ì	.1	1	1	3.22	5.88	2.94
MO.	五/五	DL BIOGIOA		150.58	111.08	111.06	99.70	99.84	110.4		
disc	mmAc	DL A12F10	143.1	135.3	29	31.4	19.3	18.0	233.7		
	mmAq	Al6F	143.4	138.3	28.7	31.4	16.8	14.5	231.1		
Wind box draft	mmAg	A70F	43.1	37.8	-4.4	-2.3	-8.2	₽.6-	114.3		
Furnace draft	mmAq	ASOF	-13.7	-14.6	-12.6	-10.7	-11.5	9.5	-20.3		

(I-2) N ANN h Low				•																														
B.E.T. High				-94	-96.5	119.4	114.3	496.2	-297.2	35 1	33.9	338,3	337.4	365.4	367.9	147.4	150.3	143.6	144.4	236	230	85	86	183	196.	70	73	74	70	74	75			
	A-0	7/22	04:30	-57.6	-57.7	74	68.3	1,510 1	173.4	2.1/1.2	34.7	298	302.4	319.2	322.7	133	141.9	128.4	136.5	215	210	70	70	220	210	55	9	35	40	45	75	75		
	A-0	7/22	04:00	-58.2	-57.5	74	70.6	1,522	-173.2	35.6	34.3	296.8	300.5	317.4	320.1	132.0	140.8	128.6	136.4	215	210	70	70	220	210	55	60	35	40	40	75	75		
Recording	A-1	7/22	02:00	-61.4	-60.2	84.4	78.6	1,534	-191.7	1.881. 35.7	34.5	303.8	304.4	324.9	325.9	136.6	142.8	133.4	138.3	220	210	70	70	225	220	60	65	45	45	55	. 65	75		
Rec	A-1	7/22	01:30		1		1 1	- 1	- 1	1194.3	1	1		,				1 1	li					ı	Ī	ŀ		1						
	KI.	7/21	21:30	-101.0	-1001-	137.2	133.4	1,603	-323.8	-323.0	32.3	337.4	328.7	369.9	361.3	146.5	149.0	141.6	140.9	242	240	78	85	240	240	70	75	09	65	65	09	95		
	A-2	7/21	21:00		j :			l i	- 1	-321.0	1	ŀ	1			l i									1		1			1		l í		
Measuring Point				DL E10F10	DL E10F20	A53D10	A57D10	A40P10	A22F10		A56T10	A52T20	A56T20	A53T10	A57T10		A57T20	DL C10T10	DL C10T20	indicator	indicator	indicator	indicator	.	indicator	controller	controller	controller		controller	CR controller	controller		
Unit	·			mmAq	mmAc	mmAq	mmAq	mmAq	mmAq	mmAq	ر ه	ပ	၁့	ပ	၁့	၁့	ပ	ပွ	၁့	Ą	Ą	Ą	Ą	Ą	Ą	œ	ο¥ο	₩	æ	æ.	ďΩ		οķο	
Item	Test Number	Date	Time	A Lower Eco outlet draft	B Lower Eco outlet draft	gas si	s side diff.	rimary air	IDF inlet	B IDF inlet draft	AH inlet	AH outlet air	AH outlet	A AH inlet gas temp.	B AH inlet gas temp.	A AH outlet gas temp.	B AH outlet gas temp.		outlet		B IDF motor amp.	motor	motor	A Pri. air fan motor amp.	B Pri. air fan motor amp.	A IDF inlet vane open	B IDF inlet vane open	A FDF inlet vane open	FDF inlet vane	H pass damper of	1	i. air capacity damper o	O analysis by Orsat (A)	

B.E.T.: Boiler Efficiency Test

Item	Unit	Measuring Point			Rec	Recording			B.E.T.	ANN	ANIN
Test Number			A-2	A-2	A-1	A-1	A-0	A-0			
Date			7/21	7/21	7/22	7/22	7/22	7/22			
Time			21:00	21:30	01:30	02:00	04:00	04:30			
A Mill coal fineness	940				ŕ		•				
A Mill coal feeder flow	T/H	DL B11F10	51.15	51.17	37.18	36.79	33,78	33.16	36.7		
A Mill inlet air temp.	ပ	DL B13T10	274	292	202	209	222	213	196.2		
A Mill air coal outlet temp.	ွ	DL B13T20	69	70	68	69	69	69	77.9		
A Mill diff. draft	mmAq	CR indicator	540	545	510	510	430	450	527.8		
A Mill primary air flow	H/T	DL B13F10	103.9	102.8	91.5	92.2	84.4	91.3	86.0		31.3
ı	œ	local	24	26	21	24	24	24			
A Mill cold air damper open	₽₽	local	90	80	79	79	79	78			
A Mill capacity damper open	φ.	local	84	89	57	54	43	40			
A Mill motor amp.	A	CR indicator	.06	89	80	80	79	78	98		
A Mill classifier open	ტ								09		
B Mill coal fineness	4º		- {								
B Mill coal feeder flow	H/T	DL B21F10	49	49.91	38.34	37.65	34.13	33.89	1		
B Mill inlet air temp.	ပ	DL B23T10	260	254	233	235	225	22.7	174.6		
B Mill air coal outlet temp.	ఎ	DL B23T20	1	69	69	69	70	70	78.9		
B Mill differential draft	mmAq	CR indicator		600	550	545	200	505	500.0		
B Mill primary air flow	T/H	DL B23F10	102	102.8	96.4	94.6	90.0	90.2	86.7		31.3
B Mill hot air damper open	æ	local	1	30	29	30	.27	28			
B Mill cold air damper open	ф	local	24	24	14	14	15	15	40		
B Mill capacity damper open	o₽P	local	87	06	19	55	53	53			
	Ą	CR indicator	06	90	84	85	80	80	06		
B Mill classifier open	90				ď				60		
										-:	

Item	Tinit	プロコ インのないに									
	7	Point			Rec	Recording			B.E.T.	High	LOW
			A-2	A-2	A-1	A-1	A-0	A-0			
			7/21	7/21	7/22	7/22	7/22	7/22			
			21:00	21:30	01:30	02:00	04:00	04:30			
fineness	et)										
feeder flow	T/H	DL B31F10	51.02	50.85	36.05	35.92	32.16	31.92	37.1		
inlet air temp.	၁့	DL B33T10	42	42	32	33	32	30	174.2		
coal outlet temp.	ပ	DL B33T20	70	70	69	70	70	70	0.08		
ial dra	mmAg	CR indicator	909	595	465	465	430	430	507.4		
primary air flow	H/H	DL B33F10	102.2	103.1	90.7	87.2	92.1	84.8	82.5		31.3
	*	local	43	43	43	44	43	42			
cold air damper open	%	local	29	29	29	26	30	30	62		
capacity damper open	ф	local	63	64	33	35	30	30			
motor amp.	ď.	CR indicator	83	84	84	80	78	79	92		
classifier open	%								9		
Mill coal fineness	<b>₩</b>	-		-						:	
feeder flow	T/H	DL B41F10							ı		
inlet air temp.	၁့	DL B43T10							1		:
coal outlet temp.	ပ	DL B43T20							1		
differential draft	mmAg	CR indicator							1		
primary air flow	T/H	DL B43F10							1		31.3
hot air damper open	æ	local							1		
cold air damper open	æ	local							1		
capacity damper open	ᇮ	local							ì		
motor amp.	Ą	CR indicator							,		
classifier open	æ								1		

Test Number   A-1   A-1   A-1   A-0   A-0     Date   Time   Tim	Item	Unit	Measuring Point			Rec	Recording	To the state of th		B.E.T.	ANN High	LOW
Date   7/21   7/21   7/22	Test Number			A-2	A-2	A-1	A-1	A-0	A-O			
Time  Time  A Mill hot air damper open	Date			7/21	7/21	7/22	7/22	7/22	7/22			
A Mill hot air damper open % local 80 80 79 79 79 79 79 79 79 79 79 79 79 79 79	Time			21:00	21:30	01:30	02:00	04:00	04:30			
A Mill cold air damper open % local 80 80 79 79 79 79 A Mill capacity damper open % local 84 89 57 54 43  A Mill classifier vane open % local 87 90 30 27  B Mill classifier vane open % local 87 90 61 55 53  C Mill classifier vane open % local 87 90 61 55 53  C Mill classifier vane open % local 63 64 33 35 30  C Mill classifier vane open % local 63 64 33 35 30  D Mill classifier vane open % local D Mill classifier vane open % local 63 64 33 35 30  D Mill classifier vane open % local D Mill clas	A Mill hot air damper open	%	local	24	24	21	24	24	24			
A Mill capacity damper open         %         local         84         89         57         54         43           A Mill classifier vane open         %         local         32         30         29         30         27           B Mill classifier vane open         %         local         24         14         14         15           B Mill capacity damper open         %         local         87         90         61         55         53           C Mill capacity damper open         %         local         43         43         44         43           C Mill classifier vane open         %         local         63         64         33         35         30           C Mill classifier vane open         %         local         %         local         63         64         33         35         30           D Mill classifier vane open         %         local         hocal         %         local         b Mill classifier vane open         %         local	Mill cold air	æ	local	80	80	79	79	79	78			
A Mill classifier vane open         %         local         32         30         29         30         27           B Mill cold air damper open         %         local         24         24         14         14         15           B Mill capacity damper open         %         local         87         90         61         55         53           B Mill classifier vane open         %         local         43         43         44         43           C Mill capacity damper open         %         local         63         64         33         35         30           C Mill classifier vane open         %         local         %         local         63         64         33         35         30           D Mill classifier vane open         %         local         %         local         D Mill classifier vane open         %         local         local         local         D Mill classifier vane open         %         loca	Mill capacity damper	œ	local	84	89	57	54	43	40			
B Mill hot air damper open         %         local         32         30         29         30         27           B Mill cold air damper open         %         local         24         14         14         15           B Mill capacity damper open         %         local         87         90         61         55         53           C Mill classifier vane open         %         local         43         43         44         43           C Mill capacity damper open         %         local         63         64         33         35         30           C Mill classifier vane open         %         local         %         local          A4         43           D Mill cold air damper open         %         local         %         local          D Mill capacity damper open         %         local          D Mill classifier vane open         %         local           D Mill classifier vane open         %         local          D Mill classifier vane open	Mill classifier vane	do	local									
n % local 24 24 14 15 15 n % local 87 90 61 55 53 n n % local 43 43 44 43 n n % local 29 29 26 30 n n % local 63 64 33 35 30 n % local n % local n n % local n % local n n % local n n % local n % local	B Mill hot air damper open	ъ	local	32	30	29	30	27	28			٠.
n         %         local         87         90         61         55         53           n         %         local         43         43         44         43           n         %         local         29         29         29         26         30           n         %         local         63         64         33         35         30           n         %         local         s         local         s         local	Mill	<b>%</b>	local	24	24	14	14	15	15			
n % local  1	Mill capacity damper	œ	local	87	06	61	55	53	53			
%         local         43         43         44         43           n         %         local         29         29         26         30           n         %         local         33         35         30           n         %         local         33         35         30           n         %         local         n         %         local           n         %         local         n         %         local           n         %         local         %         local	Mi11	æ	local									
%         local         43         43         44         43           n         %         local         29         29         29         26         30           n         %         local         63         64         33         35         30           n         %         local         n         %         local         n         %           n         %         local         n         %         local         n         %           n         %         local         %         local         n         %         local												
Mill capacity damper open       %       local       29       29       26       30         Mill classifier vane open       %       local       64       33       35       30         Mill classifier vane open       %       local       8       local         Mill classifier vane open       %       local       8       local         Mill classifier vane open       %       local       8       local	C Mill hot air damper open	dig.	local	43	43	43	<b>す</b> を	43	42			
Mill classifier vane open       %       local       63       64       33       35       30         Mill classifier vane open       %       local   <	Mill	οNΟ	local	29	29	29	26	30	30			
Mill classifier vane open % Mill hot air damper open % Mill cold air damper open % Mill capacity damper open % Mill classifier vane open %	Mill	40	local	63	64	33	35	30	30			
Mill hot air damper open % Mill cold air damper open % Mill capacity damper open % Mill classifier vane open %	Mill classifier vane	αÞ	local									
Mill hot air damper open % Mill cold air damper open % Mill capacity damper open % Mill classifier vane open %									-			
Mill cold air damper open % Mill capacity damper open % Mill classifier vane open %		. <b>%</b>	local	-								
Mill capacity damper open % Mill classifier vane open %	Mill cold air damper	æ	local									
Mill classifier vane open %	Mi 11	æ	local									
	M111	æ	local									
				.*								

(111-1)

Item	Unit	Measuring Point			Rec	Recording			в.в.т.	ANN High
			A C	A C	E E	A L	4 C	d G		
			7/21	7/21	7/22	7/22	7/22	7/22		
			21:00	21:30	01:30	02:00	04:00	04:30		
out tube metal temp.	, C	DE ESITIO	459.7	450.8	433.6	434.9	416.5	422.5		538
tube metal temp.	2 °C	DL ESITII	499.9	489.1	467.0	469.4	456.8	462.5		538
tube metal temp.	3°C	DL ESITI2	543.7		519.6	521.5	513.8			538
tube metal temp.	ر و د	DL ESITI3		475.7	444.4		431.1	. •		538
tube metal temp.	၁	DL ESITI4	467.5	461.1	446.1	447.8	427.8	434.5		538
	၁。	DL ESITIS		467.8	460.6	462	452.2	458.0		538
tube metal temp.	D <sub>0</sub> 4		456.5	450.9	451.2	453	436.7	443.1		538
out tube metal temp.	၁့	DL ESIT17	469.2	457.0	462.0	464.4	459.8	463.6		538
out tube metal temp.	၁့ 6	DL ESITI8	462.4		462.2	464.9	447.1	454.7		538
out tube metal temp. 1	J. 0I	DL ESITI9	491.3		493.0		490.5	496.7		538
tube metal temp.	າ ໍດ	_	542.6		,		525.7	533.3		602
tube metal temp.	2 °C	DL EGITII	518.0	507.3	512.4	511.8	506.2	512.4		602
tube metal temp.	2 <b>,</b> ε	DL EGITIZ	568.4		543.2		536.0	542.6		602
tube metal temp.	2° ₽	DL E61T13	545.0		523.5	522.4	515.6	522.7		602
tube metal temp.	2 2	DL E61T14	557.2		525.3		518.0	524.1		602
tube metal temp.	၁。 9	Dr E61T15	480.9	474.2	435.1	441.8	419.0	425.5		602
ı	ک د ک	DL EGITIG	533.5		530.5		519.6			602
tube metal temp.	၁့ 8		518.7	508.4	518.7		508.8	514.3		602
tube metal temp.	၁့ 6		520.1	512.4			525.7			602
tube metal temp. 1	10 °C	DL E61T19	520.3				517.5	518.5		602
tube metal temp. 1	11 °C	DL E61T20		530.5	524.8	526.1	532.3			602
tube metal temp.	12 °C	~				209.7	515.1	513.1	,	602
	13 °C	14	576.2	•	551.3		555.9	•		602
temp.	.d °C	DL E61T23	546.8	538.4	534.0	534.5	536.5	537.5		602
	15 °C	144		550.9	554.4	1	552.9			602
1 1080	٥	DT TECTION	ı.		7,7,1		, ,	ŀ		000

Test Number   Total	Item	Unit	Measuring Point			Reco	Recording		B	в.Е.Т.	ANN High	ANIN
Dete   Color	Test Number			A-2	A-2	A-1	A-1	A-0	A-0			
He out tube metal temp.  He out tube metal tem	Date		عديدة المستريدة والمستريدة والمستردة والمستريدة والمستريدة والمستريدة والمستريدة والمستريدة والمستر	7/21	7/21	7/22	7/22	7/22	7/22			
RH out tube metal temp.         1         °C         DL E71TI1         489.6         511.7         499.0         500.8         501.5         503.2           RH out tube metal temp.         2         °C         DL E71TI1         473.9         479.5         481.1         482.7         484.5           RH out tube metal temp.         3         °C         DL E71TI2         576.9         604.4         567.3         565.3         554.0         556.5           RH out tube metal temp.         4         °C         DL E71TI5         560.9         586.8         546.4         561.0         532.3           RH out tube metal temp.         7         °C         DL E71TI5         571.6         570.6         549.4         560.0         532.3           RH out tube metal temp.         7         °C         DL E71TI9         450.7         516.1         512.6         470.6         470.6         470.0           RH out tube metal temp.         10         °C         DL E71TI9         450.7         520.5         521.7         542.4         540.0         530.8         530.5         520.5         520.5         520.6         520.6         520.6         520.6         520.6         520.6         520.6         520.6         520.6 <td>Time</td> <td></td> <td></td> <td>21:00</td> <td>21:30</td> <td>01:30</td> <td>02:00</td> <td>04:00</td> <td>04:30</td> <td></td> <td></td> <td></td>	Time			21:00	21:30	01:30	02:00	04:00	04:30			
RH out tube metal temp.   2 °C   DL E71T11   473.9   493.9   479.5   481.1   482.7   484.5   481.1   482.1   482.7   484.5   481.1   482.1   482.7   484.5   481.1   482.1   482.1   482.5   481.5	out tube metal	ပ္		489.6	511.7	499.0	500.8	501.5	503.2		599	
RH out tube metal temp.   3 °C   DL E71712   576.9   604.4   567.3   565.5   536.0   586.5   586.0	out tube metal	ပ္စ	1	473.9	493.9	479.5	481.1	482.7	484.5		599	
RH out tube metal temp.   4 °C   DL E71T13   560.9 586.8 546.4 545.1 536.5 538.9     RH out tube metal temp.   5 °C   DL E71T14   551.5 587.3 550.1 549.5 528.7 532.3     RH out tube metal temp.   7 °C   DL E71T15   51.6 580.6 549.4 550.0 530.8 534.2     RH out tube metal temp.   8 °C   DL E71T17   498.5 523.9 492.0 530.8 496.7     RH out tube metal temp.   9 °C   DL E71T19   456.7 477.4 489.2 494.7 477.6 477.6 477.6     RH out tube metal temp.   10 °C   DL E71T20   456.7 477.4 489.2 494.7 490.1 488.5     RH out tube metal temp.   11 °C   DL E71T21   438.1 459.6 508.6 508.3 532.5 529.5     RH out tube metal temp.   13 °C   DL E71T21   438.1 459.6 508.6 508.3 532.5 529.5     RH out tube metal temp.   14 °C   DL E71T21   471.6 471.6 471.2 573.3 510.3     RH out tube metal temp.   15 °C   DL E71T22   470.1 491.3 490.6 490.9 532.7 529.7     RH out tube metal temp.   15 °C   DL E71T25   470.1 491.3 490.6 490.9 532.7 529.7     RH out tube metal temp.   15 °C   DL E71T25   522.4 541.6 571.7 571.6 571.6 571.7 571.6 571.6 571.7 571.6 571.7 571.6 571.7 571.6 571.7 571.6 571.7 571.6 571.7 571.6 571.7 571.6 571.7 571.6 571.7 571.7 571.6 571.7 571.6 571.7 57	out tube metal	၁,	1	576.9	604.4	567.3	565.3	554.0	556.5		599	
RH out tube metal temp.   5 °C   DL E71T14   551.5 587.3 550.1 549.5 528.7 532.3     RH out tube metal temp.   6 °C   DL E71T15 557.6 590.6 549.4 550.0 530.8 534.2     RH out tube metal temp.   7 °C   DL E71T17 498.5 573.9 492.0 490.5 477.6 476.0     RH out tube metal temp.   9 °C   DL E71T17 498.5 523.9 492.0 490.5 477.6 476.0     RH out tube metal temp.   10 °C   DL E71T21 452.1 473.9 522.5 521.7 542.4 513.1     RH out tube metal temp.   12 °C   DL E71T21 458.1 459.6 508.6 508.3 532.5 529.5     RH out tube metal temp.   13 °C   DL E71T22 470.1 491.3 490.6 490.9 532.7 529.7     RH out tube metal temp.   14 °C   DL E71T22 470.1 491.3 490.6 490.9 532.7 529.7     RH out tube metal temp.   15 °C   DL E71T22 470.1 491.3 490.6 490.9 532.7 529.7     RH out tube metal temp.   15 °C   DL E71T22 470.1 491.3 490.6 490.9 532.7 529.7     RH out tube metal temp.   15 °C   DL E71T22 470.1 491.3 490.6 490.9 532.7 529.7     RH out tube metal temp.   15 °C   DL E71T22 470.1 491.3 519.4 511.6 541.9     RH out tube metal temp.   16 °C   DL E71T22 470.1 491.3 519.4 521.7 541.6 541.9     RH out tube metal temp.   17 °C   DL E71T25 522.4 545.0 511.5 517.2 541.6 541.9     RH out tube metal temp.   18 °C   DL E71T28 583.9 609.4 584.1 590.7 608.4 608.4 608.4     RH out tube metal temp.   19 °C   DL E71T28 539.1 540.7 550.1 540.3     RH out tube metal temp.   19 °C   DL E71T29 503.9 529.0 570.1 570.6 540.3     RH out tube metal temp.   20 °C   DL E71T29 503.9 529.1 540.7 540.3     RH out tube metal temp.   20 °C   DL E71T29 503.9 529.1 540.7 540.3     RH out tube metal temp.   20 °C   DL E71T29 503.9 529.0 570.1 570.6 540.3     RH out tube metal temp.   20 °C   20 E71T29 503.9 529.0 570.1 570.0 540.3     RH out tube metal temp.   20 °C   20 E71T29 503.9 529.0 570.1 570.0 540.3     RH out tube metal temp.   20 °C   20 E71T29 503.9 529.0 570.1 570.0 540.3     RH out tube metal temp.   20 °C   20 E71T29 503.9 529.0 570.1 570.0 540.3     RH out tube metal temp.   20 °C   20 E71T29 503.9 529.0 570.1 570.0 540.3     RH out tube metal temp.	out tube metal	ပ္		560.9	586.8	546.4	545.1	536.5	538.9		599	
RH out tube metal temp.         6         °C         DL E71T15         557.6         590.6         549.4         550.0         530.8         534.2           RH out tube metal temp.         7         °C         DL E71T17         498.5         523.9         492.0         490.5         477.6         470.0           RH out tube metal temp.         9         °C         DL E71T19         465.1         492.0         513.3         518.1         514.4         513.1           RH out tube metal temp.         10         °C         DL E71T20         452.0         512.5         521.7         545.4         520.4           RH out tube metal temp.         12         °C         DL E71T21         470.6         490.6         590.5         520.7           RH out tube metal temp.         14         °C         DL E71T24         490.2         521.3         510.3         510.3           RH out tube metal temp.         17         °C         DL E71T26         520.3         471.6         471.6         471.6         511.3         510.3           RH out tube metal temp.         17         °C         DL E71T26         520.3         521.3         511.2         541.6         541.6         541.6         541.6         541.6	out tube metal	ပ			587.3	550.1	549.5	528.7	532,3		599	
RH out tube metal temp.         7         °C         DL B71716         512.8         545.7         516.1         512.5         492.0         492.6         492.6         492.6         492.0         492.0         492.0         492.0         492.0         477.6         477.6         476.0           RH out tube metal temp.         9         °C         DL B71719         466.1         492.0         513.3         518.1         514.4         513.1           RH out tube metal temp.         10         °C         DL B71719         452.3         477.4         489.2         494.7         490.1         488.5           RH out tube metal temp.         12         °C         DL B71721         473.6         508.6         508.3         522.5         521.7         545.4         542.4           RH out tube metal temp.         13         °C         DL B71722         470.1         491.2         510.2         513.3         510.3           RH out tube metal temp.         16         °C         DL B71725         522.4         547.6         471.6         471.2         541.6         541.9           RH out tube metal temp.         16         °C         DL B71725         522.4         547.6         591.0         564.4         564.7	out tube metal	ပ္စ		557.6	9.065	549.4	550.0	530.8	534.2		599	
He out tube metal temp.  He out tube metal tem	out tube metal	၁့		512.8	545.7	516.1	512.5	492.8	496.7		599	
RH out tube metal temp.         9         DL E71T18         466.1         492.0         513.3         518.1         514.4         513.1           RH out tube metal temp.         10         °C         DL E71T20         453.7         477.4         489.2         494.7         490.1         488.5           RH out tube metal temp.         12         °C         DL E71T21         438.1         459.6         508.6         508.3         532.5         529.5           RH out tube metal temp.         13         °C         DL E71T22         470.1         491.3         490.6         490.9         532.7         529.7           RH out tube metal temp.         16         °C         DL E71T24         496.2         521.3         471.6         471.6         471.6         541.9           RH out tube metal temp.         16         °C         DL E71T26         583.9         609.4         584.1         590.7         608.4         608.4           RH out tube metal temp.         19         °C         DL E71T26         583.9         609.4         584.1         590.7         608.4         608.4           RH out tube metal temp.         19         °C         DL E71T28         539.1         570.1         570.2         541.5	out tube metal	၁့		498.5	523.9	492.0	490.5	477.6	476.0		599	
RH out tube metal temp.         10         °C         DL E71T19         453.7         477.4         489.2         494.7         490.1         488.5           RH out tube metal temp.         11         °C         DL E71T2         452.3         473.9         522.5         521.7         545.4         542.4           RH out tube metal temp.         13         °C         DL E71T2         470.1         491.3         490.6         590.6         508.3         522.5         529.7           RH out tube metal temp.         15         °C         DL E71T2         496.2         521.3         513.3         510.3           RH out tube metal temp.         16         °C         DL E71T2         522.4         545.0         511.5         517.2         541.6         541.9           RH out tube metal temp.         17         °C         DL E71T2         583.9         609.4         584.1         590.7         608.4         608.4           RH out tube metal temp.         19         °C         DL E71T2         576.6         599.0         570.1         575.6         592.1         590.7         608.4         568.7           RH out tube metal temp.         19         °C         DL E71T2         576.6         599.0 <t< td=""><td>out tube metal</td><td>ပ</td><td></td><td>466.1</td><td>492.0</td><td>513.3</td><td>518.1</td><td>514.4</td><td>513.1</td><td></td><td>599</td><td></td></t<>	out tube metal	ပ		466.1	492.0	513.3	518.1	514.4	513.1		599	
RH out tube metal temp.         11         °C         DL E71T20         452.3         473.9         522.5         521.7         545.4         542.4           RH out tube metal temp.         12         °C         DL E71T21         438.1         459.6         508.6         508.3         532.5         529.5           RH out tube metal temp.         13         °C         DL E71T22         470.1         491.3         490.6         490.9         532.7         529.7           RH out tube metal temp.         16         °C         DL E71T24         496.2         521.3         511.5         541.6         541.9           RH out tube metal temp.         17         °C         DL E71T25         522.4         545.0         511.5         541.6         541.9           RH out tube metal temp.         18         °C         DL E71T27         576.6         599.0         570.1         575.6         592.1         593.1           RH out tube metal temp.         19         °C         DL E71T27         576.6         599.0         570.1         576.4         564.4         564.7           RH out tube metal temp.         20         °C         DL E71T29         535.1         540.2         540.3         540.3	RH out tube metal	၁ွ	١.	453.7	477.4	489.2	494.7	490.1	488.5		599	
RH out tube metal temp.         12         °C         DL E71T21         438.1         459.6         508.5         532.5         529.5           RH out tube metal temp.         13         °C         DL E71T22         470.1         491.3         490.6         532.7         529.7           RH out tube metal temp.         15         °C         DL E71T24         496.2         521.3         510.4         571.6         471.6         471.2         513.3         510.3           RH out tube metal temp.         16         °C         DL E71T26         583.9         609.4         584.1         590.7         608.4         608.4           RH out tube metal temp.         18         °C         DL E71T27         576.6         599.0         570.1         575.6         592.1         593.1           RH out tube metal temp.         20         °C         DL E71T28         539.1         564.7         564.7         564.7           RH out tube metal temp.         20         °C         DL E71T29         503.9         523.4         527.1         540.2         540.3	RH out tube metal	ပ	_	452.3	473.9	522.5	521.7	545.4			599	
RH out tube metal temp.       13       °C       DL E71T22       470.1       491.3       490.6       532.7       529.7         RH out tube metal temp.       16       °C       DL E71T25       522.4       545.0       511.5       517.2       541.6       541.9         RH out tube metal temp.       17       °C       DL E71T27       576.6       599.0       570.1       575.6       592.1       593.1         RH out tube metal temp.       19       °C       DL E71T27       576.6       599.0       570.1       575.6       592.1       593.1         RH out tube metal temp.       20       °C       DL E71T29       576.6       599.0       570.1       575.6       592.1       593.1         RH out tube metal temp.       20       °C       DL E71T29       503.9       523.4       527.1       540.2       540.3	RH out tube metal	၁့	_ i	438.1	459.6	508.6	508.3	532.5	529.5		599	
out tube metal temp.       14       °C       DL E71T23       454.4       474.6       471.6       471.2       513.3       510.3         out tube metal temp.       15       °C       DL E71T25       522.4       545.0       511.5       517.2       541.6       541.9         out tube metal temp.       17       °C       DL E71T26       583.9       609.4       584.1       590.7       608.4       608.4         out tube metal temp.       19       °C       DL E71T29       576.6       599.0       570.1       575.6       592.1       593.1         out tube metal temp.       20       °C       DL E71T29       503.9       529.0       570.1       540.7       564.4       564.7	RH out tube metal	၁့	_ :	470.1	491.3	490.6	490.9	532.7	529.7		599	
out tube metal temp.       15       °C       DL E71T24       496.2       521.3       519.4       521.7       533.4       533.7         out tube metal temp.       16       °C       DL E71T25       522.4       545.0       511.5       517.2       541.6       541.9         out tube metal temp.       17       °C       DL E71T27       576.6       599.0       570.1       575.6       592.1       593.1         out tube metal temp.       20       °C       DL E71T29       503.9       523.0       527.1       540.2       540.3	out tube metal	၁.		454.4	474.6	471.6		513.3	510.3		599	
out tube metal temp.       16       °C       DL E71T25       522.4       545.0       511.5       517.2       541.6       541.9         out tube metal temp.       17       °C       DL E71T26       583.9       609.4       584.1       590.7       608.4       608.4         out tube metal temp.       18       °C       DL E71T27       576.6       599.0       570.1       575.6       592.1       593.1         out tube metal temp.       20       °C       DL E71T29       503.9       529.0       523.4       520.1       540.2       540.3	out tube metal	၁့	_	496.2	521.3	519.4	521.7	533.4	533.7		599	
out tube metal temp.       17       °C       DL E71T26       583.9       609.4       584.1       590.7       608.4       608.4         out tube metal temp.       18       °C       DL E71T27       576.6       599.0       570.1       575.6       592.1       593.1         out tube metal temp.       20       °C       DL E71T29       503.9       529.0       523.4       527.1       540.2       540.3	out tube metal	ပ္		522.4	545.0	511.5	517.2	541.6	541.9		599	
out tube metal temp. 18 °C DL E71T27 576.6 599.0 570.1 575.6 592.1 593.1 Out tube metal temp. 19 °C DL E71T28 539.1 564.7 535.1 540.7 564.4 564.7 Out tube metal temp. 20 °C DL E71T29 503.9 529.0 523.4 527.1 540.2 540.3	out tube metal	၁့	I _ I	583,9	609.4	584.1	590.7	608.4	608.4		299	
out tube metal temp. 19 °C DL E71T28 539.1 564.7 535.1 540.7 564.4 564.7 out tube metal temp. 20 °C DL E71T29 503.9 529.0 523.4 527.1 540.2 540.3	out tube metal	၁့		576.6	299.0	570.1	575.6	592.1	593.1		599	
out tube metal temp. 20 °C DL E71T29 503.9 529.0 523.4 527.1 540.2 540.3	out tube metal	၁့		539.1	564.7	535.1	540.7	564.4	564.7		599	
	out tube metal	ပ		503.9	529.0	523.4	527.1	540.2	540.3		599	

			-					
Item	Unit	Measuring Point		Recording	I.	B.E.A	ANN High	ANN
Test Number			A-2	A-1	A-0		- 	
Date			7/21	7/22	7/22			
Time			20:30	01:00	03:30			
3F Left near S/B C-3	ပ္	local	1,265	1,215	1,210			
1	၁့	local	1,240	1,220	1,215			
3F Mezz. Rear Right near S/B F-2	ပွဲ့	local	1,420	1,320	1,310			
3F Mezz. Rear Left near S/B F-5	O <sub>0</sub>	local	1,395	1,310	1,295			
4F Mezz. Right Rear near S/B D-2	ى ەC	local	1,530	1,450	1,400			
4F Mezz. Left Rear near S/B D-7	D <sub>e</sub>	local	1,540	1,345	1,380			
5F Left Rear near S/B C-3	ပ	local	1,510	1,410	1,380			
5F Right Rear near S/B C-2	၁့	local	1,510	1,430	1,390			
7F Mezz. Front Right 2nd Port	၁့	local	1,380	1,230	1,200			
o 7F Mezz. Front Center Port	Ů	local	1,300	1,220	1,210			
7F Mezz. Front Left 2nd Port	ပ္	local	1,310	1,190	1,190		-	
8F Left near S/B 6-L	၁ွ	local	1,150	1,090	1,060			
8F Right near S/B 6-R	ပ္	local	1,115	1,100	1,070			
9F Left near S/B 4-L	၁့	local	1,040	980	096			
9F Right near S/B 4-R	ပ	local	096	1,015	940			
9F Front Left 2nd Port	၁့	local	086	955	955			
9F Front Center Port	၁့	local	1,000	970	945			
	၁့	local	955	1,010	955			

Item	Unit	Measuring Point			Rec	Recording		ρ	B.E.T.	ANN High	ANN
Test Number			A-2	A-2	A-1	A-1	A-0	A-0			
Date			7/21	7/21	7/22	7/22	7/22	7/22			
Time			21:00	21:30	01:30	02:00	04:00	04:30			
A-1 Air resistor open		local	4,	4.8	4.	4.8	8.	4.8		:	:
A-2 Air resistor open		local	4.8	4.8	4.8	4. 8.	4.8	4.8			
A-3 Air resistor open		local	4	4	4	4	4	ザ			
A-4 Air resistor open		local	3,2	3.2	3.2	3.2	3.2	3.2			
B-1 Air resistor open		local	4.2	4.2	4.2	4.2	4.2	4.2			
B-2 Air resistor open		local	4.8	4.8	4.8	4.8	4.8	4.8			
B-3 Air resistor open		local	5	υ.	5.	5	5	5			
B-4 Air resistor open		local	S	5	S	5	5	S			
C-1 Air resistor open		local	5	S	5	2	ß	J.			
· C-2 Air resistor open		local	5	5	5	5	ις.	S			
9 C-3 Air resistor open		local	5.4	5.4	5.4	5.4	5.4	5.4			
C-4 Air resistor open		local	4	4	4	4	4	4			
D-1 Air resistor open		local	0	0	0	0	0	4			
D-2 Air resistor open		local	0.2	0.2	0.2	0.2	0.2	0.2			
D-3 Air resistor open		local	0.5	0.5	0.5	0.5	0.5	0.5			
D-4 Air resistor open		local	3.2	3.2	3.2	3.2	3.2	3.2			
Airport damper open (Right)		local	5.0	5.0	5.0	5.0	5.0	5.0			
Airport damper open (Left)	-	local	4.5	4.5	4.5	4.5	4.5	4.5			

ANN ANN High Low						400	400	400 400 400	400 400 400 400	400 400 400 400 400	400 400 400 400 400 400	400 400 400 400 400 400 400	400 400 400 400 400 400 400	400 400 400 400 400 400 400 400	400 400 400 400 400 400 400 400 400	400 400 400 400 400 400 400 400 400 400	400 400 400 400 400 400 400 400 400 400	400 400 400 400 400 400 400 400 400 400	400 400 400 400 400 400 400 400 400 400	400 400 400 400 400 400 400 400 400 400	400 400 400 400 400 400 400 400 400 400	400 400 400 400 400 400 400 400 400 400	400 400 400 400 400 400 400 400 400 400	400 400 400 400 400 400 400 400 400 400	400 400 400 400 400 400 400 400	400 400 400 400 400 400 400 400	400 400 400 400 400 400 400 400	400 400 400 400 400 400 400 400	400 400 400 400 400 400 400 400	400 400 400 400 400 400 400 400	400 400 400 400 400 400 400 400	400 400 400 400 400 400 400 400	400 400 400 400 400 400 400 400	400 400 400 400 400 400 400 400	400 400 400 400 400 400 400 400	400 400 400 400 400 400 400 400
B.E.T.	A-0	7/22	04:30		• 1		•			•					9] 0] 9] 9] 9] 9[ 9] 9] 9] 9]				•1 •1 •1 •1 •1 •1 •1 •1 •1 •1 •1 •1 •1 •	•! •! •! •! •! •! •! •! •! •! •! •! •! •	•1 •1 •1 •1 •1 •1 •1 •1 •1 •1 •1 •1 •1 •	ol o				of of all of all of all of all of all all of all all all all all all all all all al		*! *! *! *! *! *! *! *! *! *! *! *! *! *	of all of of of all of of all of			el e	* 1 * 1 * 1 * 1 * 1 * 1 * 1 * 1 * 1 * 1	of all of of of of of of of of of all of of of of of		of of all all all all all all all all all al
	A-0	7/22	04:00	٠, ,	• 1		1	1	1 4 1 4 2	1 4 1 4 3 4 3	1 4 6 4 7 4 9 4 1	1 4 6 4 4 4 4 4	1 4 6 6 6 1 6 6 1	1 4 6 6 6 6 6 6 6 6 6 6	1 4 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6	1 4 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6		247. 238. 251. 192. 222. 234. 225. 225. 225. 225. 266.	247. 238. 251. 222. 234. 234. 225. 188. 251. 261.	247. 238. 261. 192. 222. 234. 234. 251. 261. 261. 261. 267.	247. 238. 238. 261. 222. 234. 225. 256. 266. 266. 273.	247. 238. 238. 261. 192. 222. 234. 225. 251. 266. 146. 273. 203.	247. 238. 238. 261. 192. 222. 234. 225. 251. 266. 266. 267. 273. 217.	247. 238. 238. 251. 222. 234. 225. 251. 251. 266. 266. 267. 273. 273. 217. 253.	247. 238. 238. 251. 222. 225. 234. 251. 26. 26. 26. 26. 273. 203. 234.	247. 238. 238. 251. 222. 234. 225. 188. 251. 266. 267. 273. 203. 234. 234.	247. 238. 251. 222. 222. 2234. 251. 266. 146. 257. 257. 203. 217. 234. 234.	247. 238. 238. 251. 192. 222. 234. 266. 146. 257. 273. 217. 253. 234. 254.	247. 238. 238. 238. 222. 234. 225. 266. 266. 267. 273. 273. 273. 217. 253. 234. 252. 254. 255.	247. 238. 238. 234. 222. 234. 251. 266. 267. 273. 273. 273. 273. 273. 273. 273. 27	247. 238. 238. 222. 222. 234. 2257. 266. 267. 273. 203. 203. 234. 254. 254. 255.	247. 238. 238. 222. 222. 234. 225. 188. 251. 261. 261. 262. 273. 203. 273. 273. 273. 273. 273. 273. 273. 27	247. 238. 238. 222. 222. 225. 188. 251. 266. 267. 273. 203. 273. 273. 273. 273. 273. 273. 273. 27	247. 238. 238. 222. 222. 2234. 261. 261. 261. 261. 261. 262. 273. 273. 273. 273. 273. 273. 273. 27	247. 238. 238. 234. 222. 234. 225. 251. 262. 254. 254. 255. 255. 256. 256. 257. 257. 257. 257. 257. 257. 257. 257	247. 238. 238. 222. 222. 234. 251. 266. 267. 273. 273. 273. 273. 273. 273. 273. 27
Recording	A-	//	02:00	•	263.	171.		254.	254.	254. 247. 268.	254. 247. 268. 198.	254. 247. 268. 198. 227.	254. 247. 268. 198. 227. 242.	254. 247. 268. 198. 227. 242. 231.	254. 247. 268. 198. 227. 242. 231.		254. 247. 268. 198. 227. 242. 231. 194. 258.	254. 247. 268. 198. 227. 242. 242. 243. 258. 258. 267.	254. 247. 268. 198. 242. 242. 242. 243. 258. 258. 270.	254. 247. 268. 198. 242. 242. 242. 231. 267. 267. 267.	254. 247. 268. 198. 242. 242. 242. 243. 243. 258. 267. 270. 270. 270.	254. 247. 268. 227. 242. 242. 242. 258. 267. 267. 262.	254. 247. 268. 198. 242. 242. 242. 242. 242. 258. 267. 267. 267. 277.	254. 247. 268. 198. 242. 242. 243. 258. 267. 270. 270. 262. 262. 277. 210.	254. 247. 268. 198. 242. 242. 242. 242. 258. 267. 270. 210. 210. 210. 224.	254. 247. 268. 198. 242. 242. 242. 242. 257. 270. 277. 210. 224. 230.	254. 247. 268. 198. 242. 242. 242. 242. 257. 270. 270. 270. 270. 270. 270. 270. 27	254. 247. 268. 198. 227. 242. 242. 267. 270. 270. 270. 270. 270. 270. 270. 27	254. 247. 268. 268. 242. 242. 242. 242. 258. 270. 270. 277. 277. 260. 260. 230. 230.	254. 247. 268. 268. 242. 242. 242. 231. 194. 277. 260. 260. 260. 260. 260. 232. 232.	254. 247. 268. 242. 242. 242. 242. 231. 242. 258. 267. 270. 210. 210. 224. 241. 232. 260. 260. 260. 260. 260. 277.	254. 247. 268. 268. 242. 242. 242. 257. 267. 277. 210. 210. 224. 230. 230. 232. 241. 241. 256. 260.	254. 247. 268. 268. 242. 242. 242. 231. 257. 270.	254. 247. 268. 268. 277. 270.	254. 247. 268. 268. 277. 231. 242. 267. 270.	254. 247. 268. 242. 242. 242. 231. 194. 258. 267. 260. 260. 260. 260. 260. 260. 260. 260
<b>.</b>	A-1	7/22	01:		264.	174.	ti C	250.	248.	248. 269.	248. 269. 200.	248. 248. 269. 200.	248. 248. 269. 200. 227. 243.	248. 248. 269. 227. 243. 232.	248. 269. 200. 227. 243. 232.	256. 269. 269. 200. 227. 243. 195. 258.	256. 269. 269. 200. 227. 243. 232. 195. 258.	248. 269. 269. 200. 243. 243. 232. 195. 258. 267.	248. 269. 200. 227. 243. 232. 232. 258. 267. 270.	256. 269. 269. 227. 243. 232. 232. 232. 258. 267. 267. 267.	256. 269. 269. 200. 227. 243. 232. 195. 270. 270. 262. 262.	256. 269. 269. 200. 227. 232. 195. 258. 267. 270. 150. 278.	256. 269. 269. 200. 227. 243. 243. 258. 267. 267. 262. 262. 278. 278.	256. 269. 269. 200. 227. 243. 243. 243. 267. 267. 267. 262. 262. 262. 278. 278. 278.	248. 269. 269. 227. 227. 232. 243. 267. 267. 267. 262. 262. 262. 263. 263. 263. 263. 263	256. 269. 269. 200. 227. 243. 243. 267. 267. 262. 262. 262. 262. 263. 261. 261. 261. 276. 276. 276. 276. 276. 276. 276. 276	256. 269. 269. 200. 227. 243. 243. 267. 270. 270. 261. 261. 261. 261. 261. 261. 261.	256. 269. 269. 200. 227. 243. 258. 258. 267. 270. 150. 262. 262. 263. 263. 263. 263. 263.	256. 269. 269. 200. 227. 243. 258. 267. 267. 270. 150. 262. 262. 261. 242. 242. 242. 262. 263. 263. 263. 263. 263. 263. 26	256. 269. 269. 200. 200. 227. 243. 262. 262. 262. 263. 263. 263. 263. 26	256. 269. 269. 269. 270. 270. 270. 262. 262. 262. 262. 263. 263. 263. 263	256. 269. 269. 269. 227. 227. 227. 267. 267. 261. 261. 261. 261. 261. 261. 261. 261	256. 269. 269. 269. 269. 270. 270. 270. 270. 270. 270. 270. 270	256. 248. 269. 269. 269. 243. 270. 261. 262. 262. 262. 262. 262. 262. 263. 263	256. 269. 269. 200. 200. 227. 243. 261. 262. 262. 261. 242. 242. 242. 242. 242. 266. 266. 266	256. 269. 269. 200. 200. 227. 243. 262. 262. 262. 262. 263. 242. 244. 244. 254. 254. 254. 254. 254
	A-2	7/21	21:30		294.	200.	285.		275	302.	275. 302. 233.	275. 302. 233. 255.	275. 302. 233. 255.	275. 302. 233. 255. 278.	275. 302. 233. 255. 278. 258.	275. 302. 233. 255. 278. 224. 284.	275. 302. 233. 255. 278. 224. 284. 285.	275. 233. 255. 255. 278. 224. 285. 295.	275. 302. 233. 255. 278. 224. 285. 292. 298.	275. 233. 255. 255. 278. 224. 285. 292. 298. 288.	275. 233. 255. 255. 278. 224. 285. 292. 298. 298. 301.	275. 233. 255. 256. 224. 285. 292. 292. 298. 165. 165. 301.	275. 302. 233. 255. 278. 224. 285. 292. 292. 293. 293. 293. 294. 294.	275. 302. 233. 255. 278. 224. 285. 292. 292. 293. 298. 301. 246.	275. 302. 233. 255. 258. 285. 292. 292. 298. 301. 246. 264.	275. 233. 255. 255. 258. 285. 292. 298. 298. 264. 264. 265.	275. 302. 233. 255. 278. 278. 285. 292. 298. 298. 264. 264. 266. 266.	275. 233. 255. 255. 274. 286. 298. 298. 246. 264. 295. 295. 295. 296.	275. 233. 255. 255. 274. 292. 298. 246. 264. 264. 272. 272. 296. 296. 296.	275. 233. 255. 255. 256. 224. 296. 296. 296. 296. 296. 296. 296. 296	275. 233. 233. 255. 256. 224. 285. 288. 288. 288. 264. 264. 272. 266. 266. 266. 267. 267.	275. 233. 233. 255. 256. 224. 224. 285. 292. 292. 293. 264. 266. 266. 267. 267. 267. 267.	275. 233. 233. 255. 256. 224. 285. 292. 292. 298. 264. 264. 265. 266. 266. 267. 267. 267. 267. 267. 267	275. 233. 233. 255. 256. 224. 285. 292. 298. 266. 266. 266. 267. 267. 267. 267. 267	275. 302. 233. 233. 255. 274. 285. 292. 298. 264. 266. 266. 267. 267. 268. 267. 267. 268. 267. 268. 267. 268. 268. 267. 268.	275.4 302.1 233.6 223.6 224.1 224.1 228.7 292.7 292.7 292.7 292.7 266.4 246.5 266.4 266.4 266.4 266.4 266.4 266.7 266.7 266.7 268.7 278.5 268.7 278.5 278.6 278.7 278.5 278.7
	A-2	7/21	21:00		• 1		• • •		• 1		2/4.5 301.0 233.6																		-6[ c[ 64 4] 54 6] 6] 6[ 6[ 6] 6[ 6] 7[ 7] 7[ 7] 7[ 7] 7[ 7]	-b  c  04 01 01 01 01 01 01 02 03 03 04 04 03 04 03 04 04 04 07 07 07	a    a    a    a    a    a    a    a		. of clost at all of all all all all all all all all all al		b  c	274.5 301.0 233.6 253.8 276.6 257.5 291.9 297.4 165.6 300.6 300.6 300.6 263.7 264.3 266.4 266.4 266.4 267.5 257.5 257.7 257.7
Measuring Point					B60T1	B60T1	B60T1	B60T1		B60T2	B60T2 B60T2	B60T2 B60T2 B60T2	B60T2 B60T2 B60T2 B60T2	B60T2 B60T2 B60T2 B60T3	BEOT2 BEOT2 BEOT2 BEOT3 BEOT3	B60T2 B60T2 B60T2 B60T3 B60T3	B60T2 B60T2 B60T2 B60T3 B60T3 B60T3	B60T2 B60T2 B60T3 B60T3 B60T3 B60T3	B60T2 B60T2 B60T3 B60T3 B60T3 B60T3	B60T2 B60T2 B60T3 B60T3 B60T3 B60T3	B60T2 B60T2 B60T2 B60T3 B60T3 B60T4 B60T4	B60T2 B60T2 B60T3 B60T3 B60T3 B60T4 B60T4 B60T4	B60T2 B60T2 B60T3 B60T3 B60T3 B60T4 B60T4 B60T4 B60T4	B60T2 B60T2 B60T3 B60T3 B60T4 B60T4 B60T4 B60T4 B60T4	B60T2 B60T2 B60T3 B60T3 B60T4 B60T4 B60T4 B60T4 B60T4 B60T4	B60T2 B60T2 B60T3 B60T3 B60T3 B60T4 B60T4 B60T4 B61T1 B61T1	B60T2 B60T2 B60T3 B60T3 B60T4 B60T4 B60T4 B60T4 B61T1 B61T1	B60T2 B60T2 B60T3 B60T3 B60T4 B60T4 B60T4 B60T4 B61T1 B61T1 B61T2 B61T2	B60T2 B60T2 B60T3 B60T3 B60T3 B60T4 B60T4 B61T1 B61T1 B61T2 B61T2	B60T2 B60T2 B60T3 B60T3 B60T4 B60T4 B60T4 B60T4 B61T1 B61T1 B61T2 B61T2 B61T3 B61T3	B60T2 B60T2 B60T3 B60T3 B60T4 B60T4 B60T4 B61T1 B61T2 B61T2 B61T2 B61T2 B61T2	B60T2 B60T3 B60T3 B60T3 B60T3 B60T4 B60T4 B60T4 B61T1 B61T2 B61T7 B61T7	B60T2 B60T2 B60T3 B60T3 B60T3 B60T4 B60T4 B61T1 B61T1 B61T2 B61T2 B61T2 B61T2 B61T2	B60T2 B60T2 B60T3 B60T3 B60T3 B60T4 B60T4 B61T7 B61T7 B61T7 B61T7 B61T7 B61T7 B61T7 B61T7 B61T7	B60T2 B60T2 B60T3 B60T3 B60T3 B60T4 B60T4 B60T4 B61T1 B61T7 B61T7 B61T7 B61T7 B61T7 B61T7 B61T7 B61T7	
Unit				• i	O.	ပ	ပ	ပ	•	ပ	ပ္စ	၁ ပ ပ	ပ္စပ္စပ္စ	၃ ပ ပ ပ ပ	သူ ပူ ပူ ပူ ပူ	၃ ပ ပ ပ ပ ပ																				
Item	J.			ļ.	- :		Barrel A-1		Barrel A-2		Barrel A-2	1 1	1 1 1		1 1 1 1 1 .	.																				
	Test Number	Date	Time			Burner Bar	Burner Bar	Burner Bar	Burner Bar		Burner Bar																					~ [ - 4   - 1				

B.E.T.: Boiler Efficiency Test

A-6-17

ltem	Unit	Point			Rec	Recording		B B	E4	ANN ANN High Low
Test Number			A-2	A-2	A-1	A-1	A-0	A:0		
Date			7/21	7/21	7/22	7/22	7/22	7/22		
Time			21:00	21:30	01:30	02:00	04:00	04:30		
Burner Barrel C-1	ຶ່	DL B62T10	269.9	271.5	237.9	236.9	230,3	231.3		400
Barrel	ပ	1	267.6	269.1	231.1	229.9	221.9	222.5		400
Ι.	ာ့	DL B62T12	278.2	279.5	241.5	240.3	232.6	233.5		400
	၁့	DL B62T13	268.1	269.8	233.1	232.0	224.9	226.0		400
Burner Barrel C-2	)°	DL B62T20	293.7	298.9	262.9	261.5	253.7	254.5		400
Ι.	၁့	DL B62T21	243.0	244.1	208.4	207.0	2007	200.5		400
Burner Barrel C-2	ပ	DL B62T22	283.8	285.0	248.0	247.0	239.3	240.0		400
Burner Barrel C-2	ပ	DL B62T23	323,8	325.2	290.2	288.7	281.5	282.4		400
Barrel	၁့	DL B62T30	46.4	46.9	35.4	33.6	39.0	37.3		400
Burner Barrel C-3	ပ		54.5	55.6	48.9	47.9	50.4	48.6		400
Burner Barrel	၁့		309.8	310.6	281.2	280.5	274.1	275.5		400
oှဲ Burner Barrel C-3	၁့		257.9	258.5	230.3	229.6	224.4	225.4		400
Burner Barrel	၁့	DL B62T40	273.1	274.3	242.7	242.5	236.3	237.8		400
Burner Barrel C-4	၁့		270.5	272.0	240.3	239.7	233.5	234.8		400
Burner Barrel C-4	၁့		281.1	282.3	250.8	250.2	244.0	245.3		400
Burner Barrel C-4	၁့	DL B62T43	295.7	296.8	264.6	264.4	258.2	259.9		400
Burner Barrel D-1	၁့		351.0	352.1	326.0	325.1	321.7	323.8		400
Barrel	၁ွ		319.7	320.5	288.7	286.3	278.6	2.79.2		400
Burner Barrel D-1	၁့		356.2	356.7	333.5	332.8	330.2	332.9		400
Burner Barrel D-1	၁့		367.1	367.7	345.3	344.8	342.2	344.9		400
Burner Barrel D-2	၁့	DL B63T20	361.7	362.3	340.7	340.1	338.6	340.6	-	400
	၁့		307.5	308.2	278.6	275.4	265.5			400
Burner Barrel D-2	၁့	DL B63T22	381.4	380.6	368.5	365.8	367.9	72.		400
Barrel	၁့	DL B63T23	362.5	362.5	337.5	336.4	333.0	334.4		400
Burner Barrel D-3	ວູ	DL B63T30		ì		5		1		400
ì	ລຸ		303.8	1	275.4	272.6	- 4	264.0		400
Burner Barrel D-3	ပ		338.0	_ i	320.0	319.5		318.0		400
1	ပ		366.9	366.9	353.5	353.0	352.5	354.0		400
Burner Barrel D-4	ນູ		347.9		329.0	328.7	- 41	329.2		400
Burner Barrel D-4	ွ	DL B63T41	305.9		285.2	283.7	278.0	278.8		400
Burner Barrel D-4	ວຸ		362.6		351.3	351.4	• 1	355.6		400
Burner Barrel D-4	ာ ပ		347.0		326.0	325.6	'A 5	325.6		400
Barrel			0.4.0		2.030	242.0	A .			! :

							}					1
		Combustion	Test	of Calaca	ca Unit	I Boiler	'n					
					**************************************						(1-1)	· •
Item	Unit	Measuring Point				Reco	Recording			ВЕТ	ANN ANN High Low	
nest Mumber			U-a	e B	r a	1-a	270 08443	0	COCIME			la La
Date			7/25	7/25	7/25	7/25	7/25	7/25	7/25			1
Time			08:30	00:60	10:00	10:30	13:45					1
Coal blend ratio (S/A)			60/40	60/40	60/40	60/40	60/40	60/40	60/40			
Generator load	MW	DL Q20W10	196	201.7	220.3	224.8	274.3	285.5	287.4	300		į
Main steam flow	工/用	1	601	637	715	715	844	882	938	913.3		i
Feed water flow	T/H		290	597	657	656	793	833	848	881.5		
SH spray flow	T/H		39.9	42.4	53.3	56.8	76.4	70.2	88.9	56.4		  :
Drum level	man		23.6	19.6	-7.6	ω Θ	10.1	17.6	20.6	-11.7	127 -203	<u>_</u>
Drum pressure	kg/cm <sup>2</sup>		173.4	176.3	175.1	177.4	177.7	183,7	178.9	187.2	200	· 1
Turbine inlet steam press.	$kg/cm^2$		167.4	170.2	167.5	169.9	165.4	171.1	165.6		171	'
Final SH outlet temperature	၁ွ	DL E60T10	536.1	539.5	538.0	539.2	545.8	534.9	539.9	542.5		
RH outlet temperature	၁ ့	DE E74T10	531.9	530.7	527.5	534.1	535.7	524.7	536.3	541.6		
Eco. inlet feedwater temp.	၁		249.2	251.6	257.8	258.7	268.5	272.4	274			
A Hot primary air flow	T/H		116	110	113	108	124	126	122			-
primary	T/T	DL A46F10	122	118	115	111	126	122	136			1
A Tempering air flow	T/H	DL A42F20	47	20	51	52	39	43	34			<b>'</b>
B Tempering air flow	T/H	DL A46F20	44	49	45	52	37	43	41			
A Secondary air flow	T/H	DL A52F10	209	211	223	229	322	342	380			1
B Secondary air flow	T/H		229	237	255	262	376	381	416			. [
Total air flow	п/н	DL A60G10	767	768	803	816	1,015	1,054	1,134			ļ
Boiler exit gas O, (A)	8	DL A80C10	3.23	2.74	2.22	2,30	1.71	2.37	2,56	1	2	<b>.</b>
exit gas	80	DL A80C20	1	,	. 1	1	ì	1	1	3.22	5.88 2.94	1
Total fuel flow	T/H		98.81				133.59	1	142.37	110.4		1
A FDF discharge draft	mmAq	DL A12F10	12.7	12.1	25.8	23.9	109.5		149.2	233.7		[
B FDF discharge draft	mmAq		9.7	10.2	26.3	23.9	109.6	115.9	152.4	231.1		1
Wind box draft	mmAg	·	-13.9	-12.8	-5.3	-8.5	38.5	42,8	59.7	114.3		1
Furnace draft	mmAq	DL A80F10	-10.9	-10.7	-8.4	-10.4	-4.2	8.8	-7.6	-20.3		

Combustion Test of Calaca Unit I Boiler

(I-1)

Tem	Unit	Measuring Point			Recording	B.E.T.	ANN High	ANN
Test Number			8 4-8	B-4				
Date			7/25	7/25				
Time			16:30	17:00				
Coal blend ratio (S/A)		-	i					
Generator load	MM	DL Q20W10	300	299.3		300		
Main steam flow	T/H	DL G21H10	944	933		913,3		
Feed water flow	T/H	E I	850	838		881,5		
SH spray flow	T/H	DL ESSEIO	91.4	90.5		56.4		
Drum level	mm		27.3	20.6		-11.7	127 -	-203
Drum pressure	kg/cm <sup>2</sup>	מנ	176.7	175.2		187.2	200	
Main	kg/cm <sup>2</sup>	CRT	1	1				
ine inl	kg/cm <sup>2</sup>	DI	162.8	161.4			171	
ĺ	၁့	DL E60T10	546.7	547		542.5		
Main steam temperature	၁့	CRT	I	1				
RH outlet temperature	ပ	DL E74T10	546.9	539.4		541.6		
Eco. inlet feedwater temp.	ပ္		276	276.5				
A Hot primary air flow	T/H	DL A42F10	137	135				
B Hot primary air flow	T/H	. 1	140	141				
A Tempering air flow	H/T	DL A42F20	22	26				
B Tempering air flow	H/L	DL A46F20	35	37				
A Secondary air flow	T/H		397.	410				
B Secondary air flow	T/H	DL A52F10	446	438				
Total air flow	T/H	DL A60G10	1,177	1,180				
Boiler exit gas 0, (A)	o <sup>to</sup>	DL A80C10	2.26	2.55				2.94
Boiler exit gas 0, (B)	o¢	DL A80C20	1	•		3,22	5.88	2.94
Total fuel flow	T/H	DL BIOGIOA	149,48	150.86		110.4		
A FDF discharge draft	mmAq	DL A12F10	166.3	164,8		233.7		
B FDF discharge draft	mmAq	DL A16F10	166	165.4		231.1		
Wind box draft	mmAg	DL A70F10	64.3	57.1		114.3		
Furnace draft	mmAq	DL A80F10	-7.1	-10.6		-20.3		

B.E.T.: Boiler Efficiency Test

					. !							
Item	Unit	Measuring Point				Reco	Recording	. :		в.в.т.	ANN High	LOW
floct Wimbor			0 - 0	a	0	р 1	27.0MW	p P	2000			
Date			7/25	7/25	7/25	7/25	7/25	7/75	7/75		***************************************	
Time			08:30	00:60	10:00	10:30	13:45		15:15			
					1		1					
	mmAq	DL ElOF10	-59	-58.2	-60.3	-64.9	-75.4	-73.7	-80.2	-94		-
B Lower Eco outlet draft	mnAq	DL E10F20	-58.3	-57.4	-59.1	-64.3	-73.8	-72.4	-78.7	-96.5		
AH gas	mmAq	DL A53D10	71.6	70.3	81.1	84.9	111.0	124.8	136.3	119.4		
B AH gas side diff. press.	mmAq	DL A57D10	68.5	6.99	73.7	78.6	107.5	119,9		114.3		
ry air	mmAq	DL A40P10	1,521	1,527	1,544	1,558	1,575	1,598		1,496.2	j.	
A IDF inlet draft	mmAg	DL A22F10 -	-173.2	-171-4 -	184.2	195.1	-259,6	-274.5	-300.6	-297.2		
B IDF inlet draft	mmAq	DL A26F10	-171.5	-168.9	181.4	192.9	-257.3	-272.6	-297.4	-294.6	2	
A AH inlet air temp.	၁့	DL A52T10	36.7	37.4	37.3	37.3	35.9	34.4	34.6	35.1		
B AH inlet air temp.	ပ	DL A56T10	36.7	37.3	36.9	36.8	36.1	34.5	34.1	33.9		
A AH	ပ	DL A52T20	298.7	299.9	310,5	311.4	331.7	333.4	329.4	8		
S AH outlet air temp.	၁့	DL AS6T20	294.4	296.4	305.8	306.1	327.7	329.5	326,6	m		
AH inlet gas t	၁့	DL A53T10	319.9	322.9	334.7	335.8	363.4	365.0	362.7	9		
B AH inlet gas	၁့	DL AS7T10	316,3	318.3	329.6	330.1	360.7	362.3	361	6		
A AH outlet gas temp.	၁့	DL AS3T20	132.3	132.7	137.1	138.8	143.3	143.3	140.5	4		
1 1	၁့	DL A57T20	138.6	139.3	142.6	144.2	148.9	148.8	146.1	2		
A Precip outlet gas temp.	၁့	DL C10110	128.5	128.1	130.3	132.6	137.2	138.4	136.5	143.6		
outlet gas	၁့	DL C10T20	133.7	133.6	135.0	137.0	139.9	141.1	138.8	44		
A IDF motor amp.	Ą	CR indicator	210	210	210	210	230	230	240	236		
B IDF motor amp.	Æ	CR indicator	210	200	210	210	220	225	237.5	230		
A FDF motor amp.	Ą	CR indicator	70	70	70	70	77.5	77.5	08	85		
B FDF motor amp.	A	CR indicator	70	68	70	70	75	77.5	82.5	86		
A Pri. air fan motor amp.	ď	CR indicator	225	220	220	220	220	220	235	183		
B Pri. air fan motor amp.	Ą	CR indicator	225	210	220	220	225	230	235	196		
A IDF inlet vane open	æ	CR controller	55	55	57.5	57,5	65	65	70	70		
B IDF inlet vane open	æ	CR controller	09	09	62.5	62,5	70	70	65	73		
A FDF inlet vane open	æ	CR controller	40	40	45	45	9	9	62.5	74		
B FDF inlet vane open	οjo	CR controller	37.5	40	42.5	45	57.5	57.5	65	70		
SH pass damper open	æ	CR controller	55		09	62.5	62.5	70	75	74		
RH pass damper open	œ	CR controller	65	62.5	57.5	55	57.5	50	45	75		
Pri. air capacity damper open	ın &	CR controller	72.5	$\sim$	80	75	82.5	77.5	95			
O analysis by Orsat (A)	æ											
O analysis by Orsat (B)	ф											

B.E.T.: Boiler Efficiency Test

Item	Unit	Measuring Point			Recording	B.E.T. ANN ANN High Low	
Test Number			B-4	B-4			
Date			7/25	7/25			
Time			16:30	17:00			
A Lower Eco outlet draft	mmAq	DL E10F10	-92.4	7.76-		-94	
Lower Eco outlet	mmAc	DL E10F20	-91.6	-95.9		96.5	
s side diff.	mmAq	DL A53D10	145.1	139.4		119.4	
side diff.	mmAq	DL A57D10	139.7	134.1		114.3	
air press.	mmAq	DL A40P10	1,564	1,554		1,496.2	1
IDF inlet	mmAq	DL A22F10	-325.5	-328.8		-297.2	
B IDF inlet draft	mmAq	DL A26F10	324.1	-326.6		-294.6	
A AH inlet air temp.	ပ္	DL A52T10	34.5	34.5		35.1	ŀ
B AH inlet air temp.	ပ္	DL A56T10	34.2	34.3		33.9	
A AH outlet air	ပ	DL A52T20	327.8	325.2		338.3	
5 B AH outlet air temp.	ပ	DL A56T20	321.9	318.5		337.4	
A AH inlet gas t	ပ	DL A53T10	361.2	359.6		365.4	
B AH inlet gas	ပ	DL A57T10	354.1	352.6		367.9	
A AH outlet gas temp.	ပ	DL A53T20	139.8	138.5		147.4	.
B AH outlet gas temp.	ပ	DL A57T20	144.7	142.6		150.3	:
ecip out	ပ	DL CIOTIO	135.9	134.5		143,6	
Precip outlet	ပ	DI C10120	137.4	135.6		144.4	
or amp.	ď.	CR indicator	245	250		236	
IDF motor	Ą	CR indicator	240	240			
A FDF motor amp.	æ	CR indicator	82.5	82.5		85	
B FDF motor amp.	Ą	CR indicator	82.5	82.5		86	.
A Pri. air fan motor amp.	A	CR indicator	220	235		183	
air	ส	indicat	220	235		1967	
IDF inlet vane open	œ	CR controller	70	70		70	
B IDF inlet vane open	đĐ	CR controller	75.	75		Section 19 73 Commence of the second	
inlet vane	æ	CR controller	67.5	67.5			
B FDF inlet vane open	æ	CR controller	65	65			
	αķ	CR controller	45	50		74	
RH pass damper open	υp	CR controller	75	70			
r capac	æ	CR controller	95	95			
O analysis by Orsat (A)	æ						
O analysis by Orsat (B)	₩					a de la companya de desta de la companya de della companya de della della contra della contra della companya d	
3							

### B=4	The second secon
1   coal fineness	
1   coal fineness	
Mill coal fineness         %         T/H         DL B11F10         47.98         48.           Mill inlet air temp.         °C         DL B13T10         294         2           Mill air coal outlet temp.         °C         DL B13T20         70           Mill air coal outlet temp.         °C         DL B13T20         70           Mill diff. draft         mmAq         CR indicator         550         5           Mill primary air flow         %         local         12           Mill capacity damper open         %         local         43           Mill capacity damper open         %         local         43           Mill capacity damper open         %         CR indicator         85           Mill classifier open         %         CR indicator         274         2           Mill classifier open         %         CR indicator         620         6           Mill inlet air temp.         °C         DL B23T10         274         2           Mill air coal functet temp.         °C         DL B23T20         71           Mill air coal outlet temp.         °C         DL B23T10         13.4         112           Mill differential draft         mmAq         CR indicator	
Mill coal feeder flow         T/H         DL B11F10         47.98         48.           Mill inlet air temp.         °C         DL B13T10         294         2           Mill air coal outlet temp.         °C         DL B13T20         70         70           Mill diff. draft         mmAq         CR indicator         550         5           Mill primary air flow         T/H         DL B13F10         108         108           Mill cold air damper open         %         local         43           Mill motor amp.         A         CR indicator         85           Mill classifier open         %         A9.01           Mill coal fineness         %         CDL B21F10         49.01           Mill inlet air temp.         °C         DL B23T10         274         2           Mill air coal feeder flow         T/H         DL B23T20         71           Mill air coal outlet temp.         °C         DL B23T20         71           Mill primary air flow         T/H         DL B23F10         112           Mill primary air flow         T/H         DL B23F10         34	
Mill inlet air temp.         °C         DL B13T20         70           Mill air coal outlet temp.         °C         DL B13T20         70           Mill diff. draft         mmAq         CR indicator         550         5           Mill brimary air flow         T/H         DL B13F10         109.6         108           Mill cold air damper open         %         local         43           Mill copacity damper open         %         local         43           Mill classifier open         %         CR indicator         85           Mill classifier open         %         CR indicator         71           Mill inlet air temp.         °C         DL B23T10         274         2           Mill air coal outlet temp.         °C         DL B23T20         71           Mill differential draft         mmAq         CR indicator         620         6           Mill primary air flow         T/H         DL B23F10         112           Mill primary air flow         T/H         DL B23F10         34	36.7
Mill air coal outlet temp.         °C         DL B13T20         70           Mill diff. draft         mmAq         CR indicator         550         5           Mill primary air flow         T/H         DL B13F10         109.6         108           Mill hot air damper open         %         local         43           Mill capacity damper open         %         local         43           Mill capacity damper open         %         CR indicator         85           Mill classifier open         %         CR indicator         274         2           Mill coal fineness         %         DL B23F10         274         2           Mill inlet air temp.         °C         DL B23F10         71           Mill air coal outlet temp.         °C         DL B23F10         71           Mill differential draft         mmAq         CR indicator         620         6           Mill primary air flow         T/H         DL B23F10         113.4         112           Mill brimary air flow         T/H         DL B23F10         34         112	196.2
Mill diff. draft         mmAq         CR indicator         550         5           Mill primary air flow         T/H         DL B13F10         109.6         108           Mill hot air damper open         %         local         12           Mill capacity damper open         %         local         43           Mill capacity damper open         %         CR indicator         85           Mill classifier open         %         CR indicator         274         2           Mill coal fineness         %         A9.01         274         2           Mill inlet air temp.         °C         DL B23T10         274         2           Mill air coal outlet temp.         °C         DL B23T10         71           Mill differential draft         mmAq         CR indicator         620         6           Mill primary air flow         T/H         DL B23F10         113.4         112           Mill hot air damper open         %         local         34         112	6.74
Mill primary air flow         T/H         DL B13F10         109.6         108           Mill hot air damper open         %         local         38           Mill cold air damper open         %         local         12           Mill capacity damper open         %         CR indicator         85           Mill classifier open         %         CR indicator         85           Mill coal fineness         %         A9.01           Mill inlet air temp.         °C         DL B21F10         49.01           Mill inlet air temp.         °C         DL B23T10         274         2           Mill air coal outlet temp.         °C         DL B23T10         71           Mill differential draft         mmAq         CR indicator         620         6           Mill primary air flow         T/H         DL B23F10         113.4         112           Mill hot air damper open         %         local         34         112	527.8
Mill hot air damper open         %         local         38           Mill cold air damper open         %         local         43           Mill capacity damper open         %         CR indicator         85           Mill classifier open         %         CR indicator         85           Mill coal fineness         %         A9.01           Mill coal feeder flow         T/H         DL B21F10         49.01           Mill inlet air temp.         °C         DL B23T10         274         2           Mill air coal outlet temp.         °C         DL B23T10         274         2           Mill air coal outlet temp.         °C         DL B23T10         274         2           Mill differential draft         mmAq         CR indicator         620         6           Mill primary air flow         T/H         DL B23F10         113.4         112           Mill hot air damper open         %         local         34	86.0 31.3
Mill cold air damper open         %         local         12           Mill capacity damper open         %         local         43           Mill classifier open         %         R. indicator         85           Mill classifier open         %         A. CR indicator         85           Mill coal fineness         %         A. CR indicator         49.01           Mill inlet air temp.         °C         DL B23T10         274         2           Mill inlet air temp.         °C         DL B23T10         274         2           Mill air coal outlet temp.         °C         DL B23T10         71           Mill differential draft         mmAq         CR indicator         620         6           Mill primary air flow         T/H         DL B23F10         113.4         112           Mill hot air damper open         %         local         34         112	
Mill capacity damper open         %         local         43           Mill classifier open         %         CR indicator         85           Mill classifier open         %         Apple open         60           Mill inlet air temp.         °C         DL B23F10         274         2           Mill inlet air temp.         °C         DL B23T20         71           Mill air coal outlet temp.         °C         DL B23T20         71           Mill differential draft         mmAq         CR indicator         620         6           Mill primary air flow         T/H         DL B23F10         113.4         112           Mill hot air damper open         %         local         34	
Mill classifier open         A         CR indicator         85           Mill classifier open         %         A         <	
Mill classifier open %  Mill coal fineness %  Mill inlet air temp. °C DL B23T10 274 2  Mill air coal outlet temp. °C DL B23T20 71  Mill differential draft mmAq CR indicator 620 6  Mill primary air flow T/H DL B23F10 113.4 112  Mill hot air damper open % local 34	98
Mill coal fineness %  Mill coal feeder flow T/H DL B21F10 49.01  Mill inlet air temp. °C DL B23T10 274 2  Mill air coal outlet temp. °C DL B23T20 71  Mill differential draft mmAq CR indicator 620 6  Mill primary air flow T/H DL B23F10 113.4 112  Mill hot air damper open % local 34	09
Mill coal feeder flow       T/H       DL B21F10       49.01         Mill inlet air temp.       °C       DL B23T10       274       2         Mill air coal outlet temp.       °C       DL B23T20       71         Mill differential draft       nmAq       CR indicator       620       6         Mill primary air flow       T/H       DL B23F10       113.4       112         Mill hot air damper open       %       local       34	
Mill inlet air temp.       °C       DL B23F10       49.01         Mill air coal outlet temp.       °C       DL B23T20       71         Mill air coal outlet temp.       °C       DL B23T20       71         Mill differential draft       mmAq       CR indicator       620       6         Mill primary air flow       T/H       DL B23F10       113.4       112         Mill hot air damper open       %       local       34       112	
Mill inlet air temp.°CDL B23T102742Mill air coal outlet temp.°CDL B23T2071Mill differential draftmmAqCR indicator6206Mill primary air flowT/HDL B23F10113.4112Mill hot air damper open%local34	36.0
Mill air coal outlet temp. °C DL B23T20 71 Mill differential draft mmAq CR indicator 620 6 Mill primary air flow T/H DL B23F10 113.4 112 Mill hot air damper open % local 34	174.6
Mill differential draft mmAq CR indicator 620 6 Mill primary air flow T/H DL B23F10 113.4 112 Mill hot air damper open % local 34	78,9
Mill primary air flow T/H DL B23F10 113.4 112 Mill hot air damper open % local 34	200.0
Mill hot air damper open % local 34	86.7 31.3
B Mill cold air damper open % local 12 li	
	the control of the second of the control of the con
	is the system of the second $6$ . The second secon
B Mill classifier open %	

B.E.T.: Boiler Efficiency Test

ANIN								31.3											31.3				
ANN																							
B.E.				37 1	174.2	80.0	507.4	82.5		62		62	09			1	1	•	ı	1	1	ì	1
	290MW	7/25	15:15	48 05	251	2	580	107.5	34	18	100	85											
	B-3	7/25	14:15	42 Kg	247	70	560	105.2	32	20	82	83											
Recording	270MW	7/25	13:45	45 7B	246	70	570	106.1	34	18	58	85											
Reco	В-1	7/25	10:30	37 BO	231	70	520	99.3	32	20	62	80											
	B-1	7/25	10:00	37 A9	235	70	200	66	34	20	57	80											
	0 B	7/25	00:60	34 21	228	70	200	95.9	35	17	. 20	75											
	0 H	7/25	08:30	74 27	225	70	500	97.6	35	17	20	75											
Measuring Point				DI. R31F10		DL B33T20	CR indicator	DL B33F10	local	local	local	CR indicator			DL B41F10	DL B43T10	DL B43T20	CR indicator	DL B43F10	local	local	local	CR indicator
Unit	:			* H/&	U.	Ç	mmAq	H/L	æ	æ	æ	A	æ	æ	H/T	ပ	် ၁	mmAq	T/H	οķο	æ	æ	Æ
Item	umber			coal floeness	inlet	air coal c	different	primary air flow	. hot air damper open	coldair damper open	capacity damper		classifier open	coal fineness	1	inlet air temp.	air coal	different	primary air	1	cold air	. capacity damper open	motor amp.
	Test Number	Date	Time	T C	C Mill	C Mill	C Mill	C Mill	C Mill	C Mill	C Mill	C Mill	C Mill	D Mill		D Mill	D Mill	D Mill	D Mill	1	D Mill	D Mill	

Item	Unit	Measuring Point			Recording	В. Е. Э.	ANN	ANN
Test Number			B-4	1 1				
Date			7/25	7/25				
Time			16:30	17:00				
C Mill coal fineness	φ				-			
Mill coal	T/H	DL B31F10	52.01	53.00		37.1		
C Mill inlet air temp.	သူ	DL B33T10	264	266		174.2		
C Mill air coal outlet temp.	ပ္စ	DL B33T20	70	70		80.0		
C Mill differential draft	mmAq	CR indicator	620	630		507.4		
C Mill primary air flow	T/H	DL B33F10	108	105		82.5		31.3
C Mill hot air damper open	οφ	local	54	54				
C Mill cold air damper open	දර	local	12	10		62		
C Mill capacity damper open	сжo	local	100	100				
C Mill motor amp.	Æ	CR indicator	95	92		92		
C Mill classifier open	æ					09		
D Mill coal fineness	ф							
D Mill coal feeder flow	T/H	DL B41F10				•		
D Mill inlet air temp.	ပ	DL B43T10						
D Mill air coal outlet temp.	၁့	DL B43T20	1			ł		
D Mill differential draft	mmAc	CR indicator	7			•		
D Mill primary air flow	T/H	DL B43F10				1		31.3
D Mill hot air damper open	дo	local				1		
D Mill cold air damper open	æ	local						
D Mill capacity damper open	дo	local	:			•		. :
D Mill motor amp.	Ą	CR indicator						
D Mill classifier open	φò							
					: .		•	

	Item	Unit	Measuring Point				Rec	Recording			B.E.T.	ANN	ANN
				. 1		. ,	,		1				
	Test Number			B-0	B-0	B-1	B-1	270MW.	B-3	290MW			
	Date			7/25	7/25	7/25	7/25	7/25	7/25	7/25			
	Time			08:30	00:60	10:00	10:30	13:45	14:15	15:15			
	A Mill hot air damper open	æ	local	35	32	28	26	32	32	34			
	A Mill cold air damper open	<b>₩</b>	local	15	18	17	22	18	16	17			
	A Mill capacity damper open	æ	local	35	33	33	34	38	39	42			
	A Mill classifier vane open	eγo	local										
			-						-				
	B Mill hot air damper open	æ	local	25	24	26	26	32	33	37			
	B Mill cold air damper open	%	local	17	17	17	18	12	12	11			
	B Mill capacity damper open	40	local	50	50	52	20	58	59	63			
	B Mill classifier vane open	æ	local										
A-6	C Mill hot air damper open	%	local	32	35	34	32	34	32	34			
5-2	ł	*	local	17	17	70	20	18	20	18			
7	C Mill	కు	local	50	50	57	62	73	32	100			
	C Mill classifier vane open	œ	local										
			P										
	D Mill hot alr damper open	*	Local			-							
	D Mill cold air damper open	ж	local										
	D Mill capacity damper open	œ	local						1.				
	D Mill classifier vane open	8	local										

Item	Unit	Measuring Point			Recording	в. п.	ANN High	ANN Low
Test Number	:	:	B-4	B-4				
Date			7/25	7/25				
Time			16:30	17:00				
A Mill hot air damper open	œ	local	38	39				
A Mill cold air damper open	સ્ક	local	12	12				
A Mill capacity damper open	Чö	local	43	43				
r vane	æ	local						
B Will bot air damper oner	64	Jocal	34	36				
B Mill cold air damper open	90	local	12	11				
	æ	local	70	72				
Mill	ф	local						
A- Total Total Total	œ	local	5.4	54				
C Mill cold air damper open	æ	local	12	10				<u>.</u>
U	ص	local	100	100				
C Mill classifier vane open	æ	local		:				
							-	
D Mill hot air damper open	œ	local	-					
D Mill cold air damper open	οęρ	local						
D Mill capacity damper open	æ	local						
D Mill classifier vane open	дю	local						
			·					-

OILER METAL TEMPERATURE	
CILER METAL TEMPERATUR	Θ
METAL	既
METAL	Υ
METAL	묽
METAL	2
METAL	ū
METAL	ρ
METAL	Σ
METAL	щ
OILER METAL	
CILER META	
OILER MET	
OILER ME	
OILER R	
OILER	
OILE	METAL
ÖH	METAL
Ö	METAL
Õ	METAL
	METAL

AINN																												
ANN					538 538	538	538	538	538	538	538	538	538	602	602	602	602	602	602	602	602	602	602	602	602	602	602	602
E E																												
	200,864	7/25	15:15		462.5	531.1	468.6	461.8	464.4	459.9	464.6	467.0	489.5	543.9	519.5	559.4	539.2	545.3	472.8	523.0	509.4			531.5	511.4	571.9	541.7	547.1
	C C				448.4	0	451.4		449.5		2		.4	တ	٣,	8	6	5	ထ	3		ω	ις	ις.	щ	4	535.2	ις
Recording	2.7.0MW	7/25	13:45		504 4	4	478.4						-2	٣	ထ္	7		e,	7	4	₩.	2	Ø	ო	0	ស	539.4	77
Reco	, ,	7/25	10:30		442.4 478 6	φ	ω	-		440.2		0	۳,	6	7	0	9	Ø	ы	8	6	5	3	4	0	ω	530.0	6
	ָר נו	7/25	10:00	ī	440.0	524.3	451.1	438.9	462.8	438.1	455.5		1	1	1					.2	4	.2	9	ហ	7.	2		7
	C D	7/25	00:60	ì.	450.0	520.5	440.6	432.9	454,7	437.5	457.2	447.7	480.3	535.2	514.8	541.0	530.0	527.0	433.3	529.8	515.0	523.2	515.9	527.0	511.1	554.1	534.1	
	c a	7/25	08:30	ł	434.8 466.8	522.0	442.2	434.4	452.7	436.5	450.6	446.9	475.5	537.2	515.6	545.9	532.5	528.5	434.4	530.9	518.0	521.7	514.0	523.8	508.7	549.8	530,3	550,9
Point				1	ESTETO ESTET1	ES1T12	E51T13	ES1T14	ES1T15	ESITIG	E51T17	E51T18	ES1T19	E61T10	E61T11	E61T12	E61T13	E61T14	E61T15	E61T16	E61T17	E61T18	E61T19	E61T20	E61T21	E61T22	E61T23	E61T24
Unit Mea	.:			. ,	מי מוני	占	딥	i id ວຸ	C DE	JG TG	ാവ വ	°C DL I	מנ	ΩĽ	DI	I TO Do	DI	C DI	ď	DI	딤	נ מני	ם	°C DL 1	ος DI		ក្ត	DL
Un				:	٠ ا		4		9		8	6	, 01		2 6			υ v	v 9		8		10		12	13		15
			:		temp.	temp.	temp.	temp.	temp.	temp.	сешъ	temp.	temp.					•									•	
					metal	metal	metal	metal	metal	metal	metal	metal	metal	1 temp	l temp	1 temp		1 temp	1 temp	1 temp		1 temp.	( .	ĺ.	Ĺ	ſ.	1 temp	1 temp.
Item					tube	1	tube:	: tube	tube:	: tube	tube:	tube	tube	s metal	e metal	s metal	i	e metal	į .	ł	i	ļ	e metal	e metal				
	Minhor	2000			wall out		all out	wall out	wall out	wall out	wall out	wall out	wall out	SH tube														
	- M		Time		Div wall		Div. wall		Div. we		Div. wa		Div. wa	Final	Final S	Final S	Final 9	Final	Final S	Final S	ł.	l	Ι.	١.	i i	L	ł	

(IIII-1)

Item	Unit	Measuring Point			Recording	B.E.T.	ANN	ANN
Test Number			B-4	B-4				
Date			7/25	7/25				
Time			16:30	17:00				
Div. wall out tube metal temp. 1	ပို	DL ESITIO	462,5	462.5			538	
wall out tube metal temp.	၁ ့		494.9	495.8			538	
out tube metal	ပ္	DL ESIT12	535.0	535.7			538	
l out tube metal temp.	၁့		471.4	472.8			538	
out tube metal	၁့	DL ES1T14	466.5	468.8			538	
١.	၁့		465,1	466.9			538	
Div. wall out tube metal temp. 7	ပ္ပ	DL ESITI6	462.3	466.9			538	
١.	ာ့	DL ESIT17	465.6	470.0			538	
Div. wall out tube metal	၁့		468.4	472.3			538	
o Div. wall out tube metal temp. 10	ပ	DL ESITI9	490.4	495.3			538	
Final SH tube metal temp.	၁	DL E61T10	550.9	550.7			602	
Final SH tube metal temp.	ပ္		524.0	524.6			602	
Final SH tube metal temp. 3	ပွ		568.3	569.2			602	
Final SH tube metal temp. 4	၁		544.1	544.1			602	
	ပ္စ	DL E61T14	550.2	550.9			602	
SH tube metal	၁့	DL E61T15	476.4	478.2			602	
Final SH tube metal temp. 7	၁	DL E61T16	530.8	530.0			602	
Final SH tube metal temp. 8	၁့	DL E61T17	513.9	515.5			602	
Final SH tube metal temp. 9	၁့	DL E61T18	512.2	511.5			602	
1	ပ	1 1	511.3	9°609			602	
SH tube metal temp.	၁့		543.4	545.3			602	
	ွာ		518.0	519.6			602	
SH tube metal	၁့	DL E61T22	578,5	580.6			602	
Final SH tube metal temp. 14	ပ္စ	DL E61T23	545.9	547.2			602	
Final SH tube metal temp. 15	ာ့	_	554.8	555.5			602	
SH tube metal temp.	၁့	DL E61T25	529.7	530.8			602	

Item		Unit	Measuring Point			Recording	B.E.T.	ANN High	ANN Low
Test Number				B-4	B-4				
Date				7/25	7/25				
Time				16:30	17:00				
RH out tube metal temp.	н	ပ	DL E71T10	511.2	495.2			599	
RH out tube metal temp.	2	ပ	DL E71T11	492.9	483.7			599	
RH out tube metal temp.	ო	ပ္	DL E71T12	603.2	594.0			599	
RH out tube metal temp.	4	ပ္	DL E71T13	583.4	577.3			599	
RH out tube metal temp.	5	ွ	DL E71T14	567.0	556.2			599	
RH out tube metal temp.	9	သ		568.6	560.1			599	
RH out tube metal temp.	7	ပ္	DL E71T16	529.9	517.7			599	
RH out tube metal temp.	ထ	ာ့	DL E71T17	515.4	504.6			599	
RH out tube metal temp.	6	ر د	DL E71T18	486.1	472.0			599	
RH out tube metal	10	ပ	DL E71T19	472.2	458.1			599	
S RH out tube metal temp.	11	၁့	DL E71T20	474.8	462.8			599	
RH out tube metal	12	၁့	- 1	464.7	452.0			599	
RH out tube metal	13	၁့	DL E71T22	500.8	493.1			599	
RH out tube metal temp.	14	၁့	DL E71T23	482.1	473.6			299	
RH out tube metal temp.	15	၁့		521.5	514.9			599	
RH out tube metal temp.	16	ပွ	DL E71T25	557.1	549.6			599	
RH out tube metal temp.	17	၁့	DL E71T26	617.3	611.4			599	
RH out tube metal temp.	18	၁့	DL E71T27	607.7	603.2			599	
RH out tube metal temp.	19	ပ	DL E71T28	579.2	572.1			599	
RH out tube metal temp.	20	ပ	DL E71T29	529.7	522.9			599	

TEMPERATURE
щ
כ
н
ď
የሩ
щ
Q,
덫
ы
ы
ω
Ü
Œ
z
URNACE
D.

FURNACE TEMPERATURE							•			
						*.			3	(⊤ <b>⊢</b> ∧┭)
Item	Unit	Measuring Point				Recording	Бt	B.E.T.	ANN High	ANN
Test Number			0- <u>a</u>	.∓- B-1	B-4					
Date			7/25	7/25	7/25					
Time			08:00	10:00	16:00					
3F Left near S/B C-3	ပ္စ	local	1,200	1,240	1,260					
3F Right near S/B C-1	ပ္စ	local	1,190	1,225	1,280					
3F Mezz. Rear Right near S/B F-2	ပ	local	1,315	1,325	1,365					
3F Mezz. Rear Left near S/B F-5	ນູ	local	1,310	1,340	1,350					
4F Mezz. Right Rear near S/B D-2	ပ	local	1,400	1,410	1,460					
4F Mezz. Left Rear near S/B D-7	၃	local	1,390	1,410	1,460					
5F Left Rear near S/B C-3	၁့	local	1,365	1,400	1,440					
5F Right Rear near S/B C-2	ပ	local	1,385	1,425	1,460					
7F Mezz. Front Right 2nd Port	ပ	local	1,215	1,240	1,305					
7F Mezz. Front Center Port	ပ	local	1,200	1,220	1,280					
7F Mezz. Front Left 2nd Port	၁့	local	1,150	1,180	1,370					
8F Left near S/B 6-L	၁	local	1,055	1,090	1,160					
8F Right near S/B 6-R	၁့	local	1,035	1,095	1,130					
8F Rear Left 2nd Port	၁	local	006	096	1,010					
9F Left near S/B 4-L	၁	local	920	945	1,010					***************************************
9F Right near S/B 4-R	၁	local	930	975	1,010					
9F Front Left 2nd Port	ပ	local	900	096	1,035					
9F Front Center Port	၁့	local	925	930	1,000					
9F Front Right 2nd Port	ပ	local	006	935	1,025					

Item	Unit	Measuring Point				Rec	Recording			B.E.T.	ANN	ANN
Test Number			0-8	0 B	В 1	B-1	270MW	е Н	290MW			
Date			7/25	7/25	7/25	7/25	7/25	7/25	7/25			
Time			08:30	00:60	10:00	10:30	13:45	14:15	15:15			
A-1 Air resistor open		local	4.7	4.8	4.0	<b>4.</b> α	4.8	4.8	4.8			
A-2 Air resistor open		local	4.6	4.7	4.6	4.6	4.6	4.6	4.6			
A-3 Air resistor open		local	4.3	4.2	4.1	4.2	4.2	4.2	4.2			
A-4 Air resistor open		local	3.6	3.7	3.8	3.7	3.7	3.7	3.7			
B-1 Air resistor open		local	5,0	5.0	5.0	5.0	5.0	5.0	5.0			
B-2 Air resistor open		local	4.5	4.5	4.5	4.5	4.5	4.5	4.5			
B-3 Air resistor open		local	4.6	4.8	4.9	4.8	4.8	4.8	4.8			
B-4 Air resistor open		local	5.0	5.0	5.0	5.0	5.0	5.0	5,0			
C-1 Air resistor open		local	4.8	6.4	4.9	4.8	4.8	4.8	4.8			
> C-2 Air resistor open		local	4.9	4.9	4.9	4.9	4.9	4.9	4.9			
o C-3 Air resistor open		local	2.0	5.0	5.0	5.0	2.0	2.0	2.0			
C-4 Air resistor open		local	4.0	4.0	4.0	4.0	4.0	4.0	4.0			
D-1 Air resistor open		local										
D-2 Air resistor open		local										
D-3 Air resistor open		local										
D-4 Air resistor open		local										
Airport damper open	(Right)	local	5.2	5.2	5.2	5.2	5.2	5.2	5.2			-
Airport damper open	(Left)	local	5.0	5.0	5.0	5.0	5.0	5.0	5.0			

Item	Unit	Measuring Point			:	Reco	Recording			в.в.	ANN	ANN
Test Number	,		B-0	B-0	B-1	B-1	270MW	B-3	290MW			
Date			7/25	7/25	7/25	7/25	7/25	7/25	7/25			
Time			08:30	00:60	10:00	10:30	13:45	14:15	15:15			
Burner Barrel A-1	ပ္	DL B60T10	•	256.9		265.5			288.9		400	
Burner Barrel A-1	ပ	DL B60T11		167.0		172.7		196.6	197.9		400	
1	ပ	DL B60T12		249.8	255.9	258.1			280.9		400	
1	ນຸ	DL B60T13	242.8	241.4	247.5	249.8	268.2	270.8	271.2		400	
Barrel	ည	DL B60T20		264.1	270.3	271.7		295.3	295,2		400	
Barrel	၁့	l i		193.8	200.4	202.4			226.7		400	
Burner Barrel A-2	ວຸ	DL B60T22	227.8	226.3	229.4	230.5			250.0		400	
Barrel	၁			240.1	245.9	247.6		3	272.7		400	
Burner Barrel A-3	၁		227.5	226.1	230.1	231.7		255.8	258.1		400	
Burner Barrel A-3	ပ္	DL B60T31	186.5	185.5	192.9	194.0		222.1	223,5		400	
> Burner Barrel A-3	ပ	DL B60T32	255.8	254.5	258.3	259,6			283.4		400	
Barrel	ပ္	DL B60T33	261.7	261.8	266.3	267.5			290.9		400	
Burner Barrel A-4	ນ	DL B60T40	267.6	267.0	271.6	272.8	297.0	296.9	296.8		400	
Burner Barrel A-4	ນ	DL B60T41	149.8	148.3	150.3	150.8	165.1		167.9		400	
1	ລຸ		218.5	258.5	263.1	264.2	286.4		586.9		400	
Burner Barrel A-4	ນ	DL B60T43	273.3	273.6	278.7	279.9	299.2		298.9		400	
Burner Barrel B-1	ပ		199.9	199.8	209.1	211,1	235.5		240.4		400	
Burner Barrel B-1	S.	DL B61T11	219.6	219.7	228.2	230.0	255.2		257.9	4	400	
Burner Barrel B-1	၁		253,1	253.4		265.1	286.2		289.5		400	
Burner Barrel B-1	ပ္	1	233.2	233.5		244.7	265.5		267.8		400	
	ប្		224.9	225.2	234.7	236.9	264.4	265.9	266.3		400	
Burner Barrel B-2	ပ	DL B61T21	189.3	189.1		198.3	223.3		226.1		400	
Barrel	သွ	1	257.0	257,1	265.9	268.1	290.8		292.3		400	
Burner Barrel B-2	ပ	DL B61T23	230.5	230.7		- 4 7	266.1		• :		400	
Burner Barrel B-3	ပ		232.7	232.8	•		262.5		• 1		400	
100	ပ္			178.6			•	210.1	210.7		400	
4	ပ		258.2		264.7		•	4.1	292.6		400	
	ပ	DL B61T33	233.1		•	243.8	266.4	272.0	272.4		400	
Burner Barrel B-4	ပ္		220.7	221.3					261.8		400	
Burner Barrel B-4	၁့	DL B61T41	41	215.1	223.9	- 41	• • •	- 4 5	253.4		400	
Burner Barrel B-4	၁့		245.6	46.		•	275.0		281.1		400	
	ပ	DL B61T43	!	239.0	246.6	247.8	272.3	281.0	283.3		400	
			:									

ANN ANN					***************************************	400	400	400	400	400	400	400	400	400	400	400	400	001	400	400	400	400	400	400	400	001	400	400	400	400	400	400	400	400	400	400	400
8.E.E.	<b>T</b>										,		7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7
																						-											-				
Recording															-																						
		д <b>7-</b>	7/25	17:00		287.6	197.5	279.1	269.7	292.9	226.4	248.4	270.9	255.1	220.0	279.2	286.8	291.1	166.4	281.7	293.9	240.5	256.9	286.8	266.3	265.7	225.3	290.0	267.2	267.0	208.3	286.2	267.7	258.2	249.4	275.9	7 070
		д 1	7/25	16:30		289.8	198.6	281.2	271.5	295.1	228.2	250.1	273.0	257.1	221.8	281.7	289.1	293.6	167.8	284.1	296.5	241.4	258.3	288.6	267.6	267.1	226.8	291.9	268.3	269.3	209.7	288.4	270.1	259.6	251.0	277.7	3 7 BC
Measuring	FOTIL					DL B60T10		DL B60T12		DL B60T20	DL B60T21	DL B60T22		DL B60T30		DL B60T32		DL B60T40			DL B60T43		DL B61T11	DL B61T12	DL B61T13					DL B61T30					DL B61T41		
Unit						ပ္	၁့	D,	၁့	ນ	ပ	ပ	ပ	ပ	ပ	ပ	ပ	၁	ပွ	၁့	ပ	ಎ.	၁့	၁့	၁ွ	၁့	၁ွ	ಎ	၁့	၁့	ఎ,	၁့	၁့	၁့	၁့	၁ွ	زه
Item		mber				Barrel A-1	1	Barrel A-1	Barrel	Barrel	Barrel A-2	Barrel	Barrel		Barrel	Barrel	Barrel	Barrel	Barrel	Barrel	Barrel	Barrel	Barrel	ł.	Barrel	Barrel	Barrel	Barrel	Barrel	Barrel	Barrel B-	ι	Barrel B-	Barrel B-	Barrel B-4	1	
		Teat Number	Date	Time		Burner	Burner	Burner	Burner	Burner	Burner	Burner	Burner	Burner	Burner	Burner	Surner 6	ł	l	Burner	Burner	Burner	Burner	Burner	Burner	Burner	Burner	Burner	Burner	Burner	Burner	Burner	Burner	Burner	Burner	Burner	

B.E.T.: Boiler Efficiency Test

Item	Unit	Measuring Point				Reck	Recording			B.E.T.	ANN High	ANN
Test Number			0-8 8	B-0	B-1	H L	270MW	B-3	290MW			
Date			7/25	7/25	7/25	7/25	7/25	7/25	7/25			
Time			08:30	00:60	10:00	10:30	13:45	14:15	15:15			
Burner Barrel C-1	ပ္	DL B62T10	•	230.1	238.8	240.8	265.3		267.4		400	
١.	ပ	DL B62T11	223.0	223.0	232.2	233.8	259.2	262.2	261.8		400	
Burner Barrel C-1	ပ	DL B62T12		230.9	240.8	242.8	269.3		271.3		400	
Burner Barrel C-1	ိင	DL B62T13		223.4	232.9	234.6	261.0		263.1		400	
Burner Barrel C-2	ప			254.1	263.7	264.7	290.2		291.1		400	
Burner Barrel C-2	သ	DL B62T21	•	200.8	208.8	210.7	234.6		237.2		400	
Burner Barrel C-2	၁့			238.4	247.9	249.2	275.7		277.2		400	
Burner Barrel C-2	၁ ့			285.1	294.8	296.6	317.2		315.6		400	
Barrel	ລຸ		43.9	43.0	43.9	44.0	46.0	48.3	47.8		400	
Burner Barrel C-3	၁့		2	53.2	52.7	54.3	58.1	60.5	58.1		400	
Burner	၁့	DL B62T32		269.9	279.4	280.6	305.8		305.3		400	
5 Burner Barrel C-3	ນ			220.0	227.2	228,0	251.6	252.9	5		400	
1	ပ	DL B62T40		230.7	239.4	241.1	269.3		270.1		400	
1	ບຸ	DL B62T41		230.0	238.4	240.0	266.4		268.7		400	
1.	ပ ပ	DL B62T42	238.2	239.2	248.5	249.9	277.1	277.8	277.7		400	1
Burner Barrel C-4	၁့			253.7	263.0	264.5	291.9	•	291.4		400	
Burner Barrel D-1	၁.	DL B63T10		318.5	330.7	334.5	353.8	352.1			400	
Burner Barrel D-1	၁့	DL B63T11		281.0	289.6	292.0	314.1				400	
Burner Barrel D-1	၁.	DL B63T12	309.6	334.9	347.3	351.8	359.1	356.6	352.8		400	-
Burner Barrel D-1	၁့			336.9	350.1	354.4	371.1				400	
Burner Barrel D-2	၁ွ	DL B63T20		332.3	344.8	349,3	366.7	363.3	359.4		400	
Burner Barrel D-2	၁့	DL B63T21		262.9	271.2	273.6	301.4				400	
Burner Barrel D-2	၁့	DL B63T22	357.0	363.8	376.2	380.8	387.5	381.5	375.4		400	
Burner Barrel D-2	၁့	DL B63T23		330.2	342.7	346.1	364.8	• • •	- 41		400	
Burner Barrel D-3	၁	DE B63T30	L	ı	1		1	La Company	1		400	100
Burner Barrel D-3	ပ	DL B63T31	262.9	261,5	270.0	•			300.6		400	
	ပ	DL B63T32	310.5	313.9	324.1				336.0		400	and an extending the
Burner Barrel D-3	ပ	DL B63T33	341.1	346.5		362.3.	376.1	1 ه	364.2	10 A	400	
Burner Barrel D-4	ပ္	DL B63T40	321.0	325.3	• • •				347.9		400	
Burner Barrel D-4	ွ	DL B63T41	274.8	275.4				• • 1	303.6		400	
1 1	၁		345.4	352.0	365.3	367.6	379.8	372.8	367.1		400	
Burner Barrel D-4	၁ ့	DL B63T43	316.7	320.7		335.4	356.3	• • •	348.3		400	***************************************
			. :								:	

Point   Poin			Measuring					ANN ANN	3
Dete	Item	Unit	Point			Recording	3.5.7.		)W
Butner Barrel C-1   C   DL B62710   267 5 265.7					1				
1/25   1/25	Test Number			B-4	B-4				
Burner Barrel C-1	Date			7/25	7/25				
Burner Barrel C-1         °C         DL B62TIQ         267.5         265.7           Burner Barrel C-1         °C         DL B62TIQ         261.7         259.9           Burner Barrel C-1         °C         DL B62TIQ         261.7         269.4           Burner Barrel C-2         °C         DL B62TIQ         261.5         261.5           Burner Barrel C-2         °C         DL B62TIQ         271.1         272.2           Burner Barrel C-2         °C         DL B62TIQ         277.1         274.5           Burner Barrel C-3         °C         DL B62TIQ         277.1         274.5           Burner Barrel C-4         °C         DL B62TIQ         276.3         276.1           Burner Barrel C-4         °C         DL B62TIQ         276.2         276.2           Burner Barrel D-1         °C         DL B62TIQ         277.1         245.1           Burner Barrel D-2         °C         DL B62TIQ         277.2         276.2 </td <td>Time</td> <td></td> <td></td> <td>16:30</td> <td>17:00</td> <td></td> <td></td> <td></td> <td></td>	Time			16:30	17:00				
Burner Barrel C-1									
Burner Barrel   C-1   C   DL B62711   261.7   259.9     Burner Barrel   C-2   DL B62713   261.5     Burner Barrel   C-2   C   DL B62713   261.3     Burner Barrel   C-2   C   DL B62712   271.0   228.7     Burner Barrel   C-2   C   DL B62722   277.1   274.5     Burner Barrel   C-2   C   DL B62722   277.1   274.5     Burner Barrel   C-2   C   DL B62723   314.8   313.0     Burner Barrel   C-3   C   DL B62723   314.8   313.0     Burner Barrel   C-3   C   DL B62732   314.8   313.0     Burner Barrel   C-4   C   DL B62732   312.3   262.3     Burner Barrel   C-4   C   DL B62732   312.3   262.3     Burner Barrel   C-4   C   DL B62732   326.3   362.3     Burner Barrel   C-4   C   DL B62732   326.3   362.3     Burner Barrel   D-1   C   DL B62713   328.4   266.2     Burner Barrel   D-2   C   DL B62712   336.2   366.2     Burner Barrel   D-2   C   DL B62712   336.2   366.2     Burner Barrel   D-2   C   DL B62712   336.2   336.2     Burner Barrel   D-3   C   DL B62712   336.2   336.2     Burner Barrel   D-2   C   DL B62723   336.2   336.2     Burner Barrel   D-3   C   DL B62723   336.2   336.2     Burner Barrel   D-4   C   DL B63723   336.2   336.2     Burner Barrel   D-3   C   DL B63723   336.2   336.2     Burner Barrel   D-4   C   DL B63733   336.9   336.3     Burner Barrel   D-4   C   DL B63734   336.0     Burner Barrel   D-4   C   DL B63742   336.2     Burner Barrel   D-4   C   DL B63742   336.2     Burner Barrel   D-4   C   DL B63742   336.2     Burner Barrel   D-4   C   DL B63743   336.9     Burner Barrel   D-4   C   DL B63743   336.8     Burner Barrel   D-4   C   DL B63743   336.9     Burner Barrel   D-4   C   DL B63743   336.9     Burner Barrel   D-4   C	Barrel	ပ္		267.5	265.7			400	
Burner Barrel C-1         °C         DL B67712         271.4         269.4           Burner Barrel C-1         °C         DL B67713         261.5           Burner Barrel C-2         °C         DL B67721         273.1         278.2           Burner Barrel C-2         °C         DL B67721         277.1         278.2           Burner Barrel C-2         °C         DL B67721         277.1         278.2           Burner Barrel C-3         °C         DL B67721         277.1         278.2           Burner Barrel C-3         °C         DL B67731         279.5         Burner Barrel C-4         °C           Burner Barrel C-4         °C         DL B67741         269.3         Burner Barrel C-4         °C         DL B67742         250.4           Burner Barrel C-4         °C         DL B67741         269.3         269.3         Burner Barrel D-1         °C         DL B67742         260.4         Burner Barrel D-1         °C         DL B67741         260.4         Burner Barrel D-2         °C         DL B67721         350.0 <t< td=""><td>Barrel</td><td>ບຸ</td><td></td><td>261.7</td><td></td><td></td><td></td><td>400</td><td></td></t<>	Barrel	ບຸ		261.7				400	
Burner Barrel C-1   C   DL B67713   263.3   261.5     Burner Barrel C-2   C   DL B67720   237.1   235.2     Burner Barrel C-2   C   DL B67721   237.1   235.2     Burner Barrel C-2   C   DL B67721   237.1   237.2     Burner Barrel C-3   C   DL B6773   237.1   237.2     Burner Barrel C-3   C   DL B6773   313.0     Burner Barrel C-3   C   DL B6773   42.7   42.7     Burner Barrel C-3   C   DL B6773   251.3   243.1     Burner Barrel C-4   C   DL B6773   251.3   243.1     Burner Barrel C-4   C   DL B6774   267.3   265.4     Burner Barrel C-4   C   DL B6774   267.3   265.4     Burner Barrel C-4   C   DL B6774   267.3   265.4     Burner Barrel C-4   C   DL B6774   274.9   272.6     Burner Barrel D-1   C   DL B6771   237.3   231.1     Burner Barrel D-1   C   DL B6771   237.3   231.1     Burner Barrel D-2   C   DL B6771   237.3   231.1     Burner Barrel D-2   C   DL B6771   237.3   230.6     Burner Barrel D-2   C   DL B6772   235.2   235.0     Burner Barrel D-2   C   DL B6772   235.2   235.0     Burner Barrel D-3   C   DL B6772   235.2   235.0     Burner Barrel D-3   C   DL B6772   235.2     Burner Barrel D-4   C   DL B6772   235.0     Burner Barrel D-4   C   DL B6774   235.0     Burner Barrel D-5   C   DL B6774   235.0     Burner Barrel D-6   C   DL B6774   235.0     Burner Barrel D-7   C   DL B6774   235.0     Burner Barrel D-7   C   DL B6774   235.0     Burner Barrel D-7   C   DL B6774   235.0     Burner Barrel D-6   C   DL B6774   235.0	Barrel	ູນ		271.4	269.4			400	
Burner Barrel C-2         °C         DL B62720         291,0         288.7           Burner Barrel C-2         °C         DL B62722         271.1         275.2           Burner Barrel C-2         °C         DL B62722         271.1         274.5           Burner Barrel C-3         °C         DL B62732         313.0           Burner Barrel C-3         °C         DL B62732         313.0           Burner Barrel C-3         °C         DL B62733         302.1         299.5           Burner Barrel C-3         °C         DL B62733         302.1         299.5           Burner Barrel C-4         °C         DL B62742         274.9         272.6           Burner Barrel C-4         °C         DL B62742         274.9         272.6           Burner Barrel C-4         °C         DL B62742         274.9         272.6           Burner Barrel D-1         °C         DL B62742         284.2         286.2           Burner Barrel D-1         °C         DL B63712         311.1         345.3           Burner Barrel D-2         °C         DL B63713         362.3         386.2           Burner Barrel D-2         °C         DL B63712         375.0           Burner Barrel D-3 <td< td=""><td>Barrel</td><td>ູ</td><td>DL B62T13</td><td>263.3</td><td>261.5</td><td></td><td></td><td>400</td><td></td></td<>	Barrel	ູ	DL B62T13	263.3	261.5			400	
Burner Barrel C-2         °C         DL B62T21         27.1         235.2           Burner Barrel C-2         °C         DL B62T22         277.1         274.5           Burner Barrel C-3         °C         DL B62T23         313.6           Burner Barrel C-3         °C         DL B62T30         51.1         48.7           Burner Barrel C-3         °C         DL B62T33         36.4         59.5           Burner Barrel C-4         °C         DL B62T30         26.4         59.5           Burner Barrel C-4         °C         DL B62T40         26.7         265.4           Burner Barrel C-4         °C         DL B62T42         27.6         26.4           Burner Barrel D-1         °C         DL B62T43         28.4         286.2           Burner Barrel D-1         °C         DL B62T43         28.4         286.2           Burner Barrel D-1         °C         DL B63T13         313.1         349.3           Burner Barrel D-2         °C         DL B63T21         356.2         360.4           Burner Barrel D-2         °C         DL B63T23         353.0         360.4           Burner Barrel D-3         °C         DL B63T23         353.0         26.8           B	Barrel	ပ္စ	DL B62T20	291.0	288.7			400	
Burner Barrel C-2         °C         DL B62T22         277.1         274.5           Burner Barrel C-2         °C         DL B62T33         314.8         313.0           Burner Barrel C-3         °C         DL B62T31         62.4         59.7           Burner Barrel C-3         °C         DL B62T31         62.4         59.7           Burner Barrel C-3         °C         DL B62T32         202.1         299.5           Burner Barrel C-4         °C         DL B62T40         267.7         265.4           Burner Barrel C-4         °C         DL B62T42         276.3           Burner Barrel C-4         °C         DL B62T42         276.3           Burner Barrel D-1         °C         DL B62T42         276.3           Burner Barrel D-1         °C         DL B63T13         345.3           Burner Barrel D-1         °C         DL B63T13         345.3           Burner Barrel D-2         °C         DL B63T13         360.4           Burner Barrel D-3         °C         DL B63T23         313.4           Burner Barrel D-3         °C         DL B63T23         313.4           Burner Barrel D-3         °C         DL B63T23         313.4           Burner Barrel D-4	Barrel	၁့	DL B62T21	237.1	235.2			400	
Burner Barrel C-3         °C         DL B62T93         313.0           Burner Barrel C-3         °C         DL B62T30         51.1         48.7           Burner Barrel C-3         °C         DL B62T32         302.1         299.5           Burner Barrel C-3         °C         DL B62T32         302.1         299.5           Burner Barrel C-4         °C         DL B62T32         302.1         299.5           Burner Barrel C-4         °C         DL B62T41         265.3         263.4           Burner Barrel C-4         °C         DL B62T42         274.9         272.6           Burner Barrel C-4         °C         DL B62T41         265.2         266.2           Burner Barrel D-1         °C         DL B63T12         345.3         345.3           Burner Barrel D-1         °C         DL B63T12         349.3         340.4           Burner Barrel D-2         °C         DL B63T22         350.6         8           Burner Barrel D-2         °C         DL B63T23         350.6         8           Burner Barrel D-3         °C         DL B63T23         350.6         8           Burner Barrel D-3         °C         DL B63T32         350.6         8           Burner	Barrel	၁့		277.1	274.5			400	
Burner Barrel C-3	Barrel	ပ		314.8	313.0		-	400	
Burner Barrel C-3         °C         DL B62732         59.7           Burner Barrel C-3         °C         DL B62732         302.1         299.5           Burner Barrel C-3         °C         DL B62732         302.1         249.1           Burner Barrel C-4         °C         DL B62740         267.7         265.4           Burner Barrel C-4         °C         DL B62742         27.2.6           Burner Barrel C-4         °C         DL B63710         347.1         345.2           Burner Barrel D-1         °C         DL B63711         345.3         Burner Barrel D-1           Burner Barrel D-2         °C         DL B63712         350.4         Burner Barrel D-2           Burner Barrel D-2         °C         DL B63722         350.4         Burner Barrel D-2           Burner Barrel D-2         °C         DL B63722         350.4         Burner Barrel D-2           Burner Barrel D-3         °C         DL B63723         350.6         Burner Barrel D-3         °C         DL B63723         350.0         Burner Barrel D-3         °C         DL B63723         350.0         Burner Barrel D-3         °C         DL B63723         350.0         Burner Barrel D-4         °C         DL B63723         350.0         Burner Barrel D-4	Barrel	ပ္		51.1	48.7			400	
Burner Barrel C-3         °C         DL B62733         261.9         249.1           Burner Barrel C-4         °C         DL B62744         265.4           Burner Barrel C-4         °C         DL B62742         265.3           Burner Barrel C-4         °C         DL B62742         274.9           Burner Barrel C-4         °C         DL B62742         274.9           Burner Barrel C-4         °C         DL B62742         274.9           Burner Barrel D-1         °C         DL B63710         345.3           Burner Barrel D-1         °C         DL B63711         345.3           Burner Barrel D-1         °C         DL B63713         360.4           Burner Barrel D-2         °C         DL B63713         360.4           Burner Barrel D-2         °C         DL B63723         366.2           Burner Barrel D-2         °C         DL B63723         366.4           Burner Barrel D-2         °C         DL B63723         356.2           Burner Barrel D-3         °C         DL B63723         356.8           Burner Barrel D-3         °C         DL B63723         359.9           Burner Barrel D-3         °C         DL B63743         340.0           Burner Barrel D-	Barrel	၁့		62.4	59.7			400	
Burner Barrel C-4         °C         DL B62H33         251.9         249.1           Burner Barrel C-4         °C         DL B62H40         265.4           Burner Barrel C-4         °C         DL B62H42         272.6           Burner Barrel C-4         °C         DL B62H42         274.9         272.6           Burner Barrel C-4         °C         DL B67H43         288.4         286.2           Burner Barrel D-1         °C         DL B67H11         345.3           Burner Barrel D-1         °C         DL B67H12         345.3           Burner Barrel D-1         °C         DL B63H13         360.4           Burner Barrel D-2         °C         DL B63H21         349.3           Burner Barrel D-2         °C         DL B63H21         356.2           Burner Barrel D-2         °C         DL B63H21         356.2           Burner Barrel D-2         °C         DL B63H21         356.2           Burner Barrel D-3         °C         DL B63H21         356.2           Burner Barrel D-3         °C         DL B63H23         355.0           Burner Barrel D-3         °C         DL B63H23         314.4           Burner Barrel D-4         °C         DL B63H33         359.9	Burner Barrel	၁့		302.1	299.5			400	
Burner Barrel C-4         °C         DL B62T40         267.7         265.4           Burner Barrel C-4         °C         DL B62T41         265.3         263.3           Burner Barrel C-4         °C         DL B62T42         274.9         272.6           Burner Barrel C-4         °C         DL B62T41         286.2           Burner Barrel D-1         °C         DL B63T10         347.1         345.3           Burner Barrel D-1         °C         DL B63T13         360.4         360.4           Burner Barrel D-2         °C         DL B63T21         360.6         360.6           Burner Barrel D-2         °C         DL B63T21         373.0         360.6           Burner Barrel D-3         °C         DL B63T33         353.0         353.0           Burner Barrel D-3         °C         DL B63T32         353.0         360.6           Burner Barrel D-4         °C         DL B63T33         359.0         359.0	Burner Barrel	ပ		251.9	249.1			400	
Burner Barrel C-4         °C         DL B62T41         265.3         263.3           Burner Barrel C-4         °C         DL B62T42         274.9         272.6           Burner Barrel C-4         °C         DL B62T43         286.2           Burner Barrel D-1         °C         DL B63T11         345.3           Burner Barrel D-1         °C         DL B63T12         35.0           Burner Barrel D-1         °C         DL B63T13         362.4           Burner Barrel D-2         °C         DL B63T21         356.2           Burner Barrel D-2         °C         DL B63T21         378.5           Burner Barrel D-2         °C         DL B63T23         356.2           Burner Barrel D-3         °C         DL B63T23         378.5           Burner Barrel D-3         °C         DL B63T23         355.2           Burner Barrel D-3         °C         DL B63T30         -           Burner Barrel D-3         °C         DL B63T33         359.0           Burner Barrel D-4         °C         DL B63T31         290.6           Burner Barrel D-4         °C         DL B63T42         340.0           Burner Barrel D-4         °C         DL B63T42         340.0 <t< td=""><td>Burner Barrel</td><td>ပ</td><td></td><td>267.7</td><td>265.4</td><td></td><td></td><td>400</td><td></td></t<>	Burner Barrel	ပ		267.7	265.4			400	
Barrel C-4         °C         DL B62T42         272.6           Barrel C-4         °C         DL B62T43         288.4         286.2           Barrel C-4         °C         DL B63T10         347.1         345.3           Barrel D-1         °C         DL B63T11         313.2         311.1           Barrel D-1         °C         DL B63T12         351.0         349.3           Barrel D-1         °C         DL B63T12         350.4         360.4           Barrel D-2         °C         DL B63T21         300.6         360.4           Barrel D-2         °C         DL B63T22         373.0         360.4           Barrel D-2         °C         DL B63T22         373.0         373.0           Barrel D-3         °C         DL B63T23         355.2         353.0           Barrel D-3         °C         DL B63T31         299.6         8           Barrel D-3         °C         DL B63T31         359.0         9           Barrel D-4         °C         DL B63T31         340.0         9           Barrel D-4         °C         DL B63T31         340.0         9           Barrel D-4         °C         DL B63T41         340.0         9 <td>Burner Barrel</td> <td>၁့</td> <td>DL B62T41</td> <td>265,3</td> <td>263.3</td> <td></td> <td></td> <td>400</td> <td></td>	Burner Barrel	၁့	DL B62T41	265,3	263.3			400	
Barrel C-4         °C         DL B62T43         286.2           Barrel D-1         °C         DL B63T10         347.1         345.3           Barrel D-1         °C         DL B63T12         311.1           Barrel D-1         °C         DL B63T23         360.4           Barrel D-2         °C         DL B63T21         300.6           Barrel D-2         °C         DL B63T22         378.5           Barrel D-2         °C         DL B63T23         350.6           Barrel D-3         °C         DL B63T33         355.2           Barrel D-3         °C         DL B63T30         -           Barrel D-3         °C         DL B63T32         359.0           Barrel D-4         °C         DL B63T41         299.7           Barrel D-4         °C         DL B63T42         360.6           Barrel D-4         °C         DL B63T42         360.6           Barrel D-4         °C         DL B63T42         340.6           Barrel D-4 <td< td=""><td>Barre1</td><td>၁,</td><td></td><td>274.9</td><td>272.6</td><td></td><td></td><td>400</td><td></td></td<>	Barre1	၁,		274.9	272.6			400	
Barrel D-1         °C         DL B63T10         347.1         345.3           Barrel D-1         °C         DL B63T12         311.1           Barrel D-1         °C         DL B63T13         360.4           Barrel D-1         °C         DL B63T20         356.2           Barrel D-2         °C         DL B63T21         300.6           Barrel D-2         °C         DL B63T22         378.5         373.0           Barrel D-2         °C         DL B63T23         353.0         -           Barrel D-3         °C         DL B63T31         299.5         296.8           Barrel D-3         °C         DL B63T32         314.4         329.0           Barrel D-3         °C         DL B63T33         359.9         358.3           Barrel D-4         °C         DL B63T41         299.7         297.1           Barrel D-4         °C         DL B63T42         361.6         359.6           Barrel D-4         °C         DL B63T42         361.6         360.6           Barrel D-4         °C         DL B63T42         360.6         360.6           Barrel D-4         °C         DL B63T42         360.6         360.6           Barrel D-4	Barrel	၁	DL B62T43	288.4	286.2			400	
Barrel D-1         °C         DL B63T11         313.2         311.1           Barrel D-1         °C         DL B63T12         351.0         349.3           Barrel D-1         °C         DL B63T13         360.4           Barrel D-2         °C         DL B63T21         373.0         300.6           Barrel D-2         °C         DL B63T22         373.0         373.0           Barrel D-3         °C         DL B63T33         355.2         353.0           Barrel D-3         °C         DL B63T33         314.4         329.0           Barrel D-3         °C         DL B63T33         359.9         358.3           Barrel D-4         °C         DL B63T41         299.5         360.0           Barrel D-4         °C         DL B63T42         340.0           Barrel D-4         °C         DL B63T42         361.6           Barrel D-4         °C         DL B63T42         361.6 <td>Barrel</td> <td>ပ</td> <td>DL B63T10</td> <td>347.1</td> <td>345.3</td> <td></td> <td></td> <td>400</td> <td></td>	Barrel	ပ	DL B63T10	347.1	345.3			400	
Barrel D-1         °C         DL B63T12         351.0         349.3           Barrel D-1         °C         DL B63T13         362.4         360.4           Barrel D-2         °C         DL B63T21         356.2         356.2           Barrel D-2         °C         DL B63T21         303.6         300.6           Barrel D-2         °C         DL B63T22         373.0         373.0           Barrel D-2         °C         DL B63T33         355.2         353.0           Barrel D-3         °C         DL B63T31         299.5         296.8           Barrel D-3         °C         DL B63T32         331.4         329.0           Barrel D-3         °C         DL B63T33         359.9         358.3           Barrel D-4         °C         DL B63T40         340.0           Barrel D-4         °C         DL B63T41         299.7         297.1           Barrel D-4         °C         DL B63T42         361.6         359.6           Barrel D-4         °C         DL B63T43         361.6         359.6           Barrel D-4         °C         DL B63T42         361.6         360.6	Barrel	ပ	DL B63T11	313.2	311.1			400	
Barrel D-1         °C         DL B63T13         362.3         360.4           Barrel D-2         °C         DL B63T20         356.2         356.2           Barrel D-2         °C         DL B63T22         373.0           Barrel D-2         °C         DL B63T23         355.2         353.0           Barrel D-3         °C         DL B63T31         299.5         296.8           Barrel D-3         °C         DL B63T32         331.4         329.0           Barrel D-3         °C         DL B63T32         341.9         340.0           Barrel D-4         °C         DL B63T33         359.9         358.3           Barrel D-4         °C         DL B63T41         299.7         297.1           Barrel D-4         °C         DL B63T42         361.6         359.6           Barrel D-4         °C         DL B63T42         361.6         359.6           Barrel D-4         °C         DL B63T42         361.6         369.6           Barrel D-4         °C         DL B63T42         361.6         369.6	Barrel	ນູ		351.0	349.3			400	
Barrel D-2         °C         DL B63T21         356.2         356.2           Barrel D-2         °C         DL B63T22         378.6         373.0           Barrel D-2         °C         DL B63T23         355.2         353.0           Barrel D-3         °C         DL B63T30         -         -           Barrel D-3         °C         DL B63T31         299.5         296.8           Barrel D-3         °C         DL B63T32         331.4         329.0           Barrel D-3         °C         DL B63T32         340.0           Barrel D-4         °C         DL B63T43         340.0           Barrel D-4         °C         DL B63T42         361.6         359.6           Barrel D-4         °C         DL B63T42         361.6         359.6           Barrel D-4         °C         DL B63T42         361.6         359.6	Barrel	ပ	DL B63T13	362.3	360.4			400	
Barrel D-2         °C         DL B63T21         303.0         300.6           Barrel D-2         °C         DL B63T22         378.5         373.0           Barrel D-3         °C         DL B63T30         -         -           Barrel D-3         °C         DL B63T31         299.5         296.8           Barrel D-3         °C         DL B63T32         331.4         329.0           Barrel D-3         °C         DL B63T32         359.9         358.3           Barrel D-4         °C         DL B63T40         341.9         340.0           Barrel D-4         °C         DL B63T41         299.7         297.1           Barrel D-4         °C         DL B63T42         361.6         359.6           Barrel D-4         °C         DL B63T43         342.6         340.8	Barrel	ပ	DL B63T20	358.2	356,2			400	
Barrel D-2         °C         DL B63T22         373.0           Barrel D-2         °C         DL B63T30         -         -           Barrel D-3         °C         DL B63T31         299.5         296.8           Barrel D-3         °C         DL B63T32         331.4         329.0           Barrel D-3         °C         DL B63T33         359.9         358.3           Barrel D-4         °C         DL B63T40         341.9         340.0           Barrel D-4         °C         DL B63T41         299.7         297.1           Barrel D-4         °C         DL B63T42         361.6         359.6           Barrel D-4         °C         DL B63T43         342.6         359.6	Barrel	ပ		303.0	3000			400	
Barrel D-2         °C         DL B63T23         355.2         353.0           Barrel D-3         °C         DL B63T31         299.5         296.8           Barrel D-3         °C         DL B63T32         331.4         329.0           Barrel D-3         °C         DL B63T33         359.9         358.3           Barrel D-4         °C         DL B63T40         341.9         340.0           Barrel D-4         °C         DL B63T41         299.7         297.1           Barrel D-4         °C         DL B63T42         361.6         359.6           Barrel D-4         °C         DL B63T43         342.6         340.8	Barrel	၁့		378.5	373,0			400	
Barrel D-3         °C         DL B63T31         299.5         296.8           Barrel D-3         °C         DL B63T32         331.4         329.0           Barrel D-3         °C         DL B63T33         358.3           Barrel D-4         °C         DL B63T40         341.9         340.0           Barrel D-4         °C         DL B63T41         299.7         297.1           Barrel D-4         °C         DL B63T42         361.6         359.6           Barrel D-4         °C         DL B63T43         342.6         340.8	Barrel	ပ		355.2	353.0			400	
Barrel D-3       °C       DL B63T32       331.4       329.0         Barrel D-3       °C       DL B63T33       359.9       358.3         Barrel D-4       °C       DL B63T40       341.9       340.0         Barrel D-4       °C       DL B63T41       299.7       297.1         Barrel D-4       °C       DL B63T42       361.6       359.6         Barrel D-4       °C       DL B63T42       340.8	Barrel	၁့		1	1			400	
Barrel D-3         °C         DL B63T32         331.4         329.0           Barrel D-3         °C         DL B63T40         341.9         340.0           Barrel D-4         °C         DL B63T41         299.7         297.1           Barrel D-4         °C         DL B63T42         361.6         359.6           Barrel D-4         °C         DL B63T43         342.6         340.8	Barrel	၁့		299.5	296.8			400	
Barrel D-3         °C         DL B63T40         341.9         340.0           Barrel D-4         °C         DL B63T41         299.7         297.1           Barrel D-4         °C         DL B63T42         361.6         359.6           Barrel D-4         °C         DL B63T43         342.6         340.8	Barrel	ပ	DL B63T32	331.4	329.0			400	
Barrel D-4       °C       DL B63T41       299.7       297.1         Barrel D-4       °C       DL B63T42       361.6       359.6         Barrel D-4       °C       DL B63T43       342.6       340.8	Barrel	၁့	DL B63T33	359.9	358,3			400	
Barrel D-4         °C         DL B63T41         299.7         297.1           Barrel D-4         °C         DL B63T42         361.6         359.6           Barrel D-4         °C         DL B63T43         342.6         340.8	Barrel.	၁့	DL B63T40	341.9	340.0			400	
Barrel D-4         °C         DL B63T42         361.6         359.6           Barrel D-4         °C         DL B63T43         342.6         340.8	Barrel	၁့	DL B63T41	299.7				400	
Barrel D-4 °C DL B63T43 342.6 340.8	Barrel	ာ	DL B63T42					400	
	Barrel	ပ						400	

Combustion Test of Calaca Unit I Boiler

(I-I)

Item	Unit	Measuring Point			Rec	Recording	Edi	В.Е.Т.	ANN	ANN
Test Number			. О- Д	1-0	D-2	D-3				
Date			7/26	7/26	7/26	7/26				
Time			00:60	10:45	11:45	14:30				
Coal blend ratio (S/A)										
Generator load	MM	DL Q20W10	221.2	220	216.8	223		300		
Main steam flow	T/H		705	687	716	694		913,3		
Feed water flow	T/H	DL E15F10	647	619	639	628		881.5		
SH spray flow	T/H	DL ESSF10	55.3	66.2	61.2	65.6		56.4		
Drum level	mm	DL E20L10	20.1	26.6	20.6	24.1		-11.7	127	-203
Drum pressure	kg/cm <sup>2</sup>	DL E20P10	174.4	172.9	171.7	174.8		187.2	200	
	kg/cm <sup>2</sup>	CRT	1	1	i	1	-			
A Turbine inlet steam press.	kg/cm <sup>2</sup>	DL G21P10	166.9	165.5	164.3	167.5			171	
Final SH outlet temperature	ပ	DL E60T10	539.2	544.2	539.5	540.8		542.5		
Main steam temperature	၁့	CRT	ł	1	I	1				
RH outlet temperature	၁့	DL E74T10	532.2	537.8	528.8	536		541.6		
Eco. inlet feedwater temp.	၁့	DL ELOTIOA	258.1	257.6	257.3	257.6				
A Hot primary air flow	T/H	DL A42F10	151	154	154	148				
Hot	T/H	DL A46F10	153	164	163	159				
A Tempering air flow	T/H	DL A42F20	0	0	0	0				
B Tempering air flow	H/T	DL A46F20	27	21	23	32	A STATE OF THE STA			
A Secondary air flow	T/H	DL A52F10	232	238	252	242				
B Secondary air flow	T/H	DL A52F10	256	260	285	272				
Total air flow	T/H	DL A60G10	618	837	885	854				
Boiler exit gas O, (A)	æ	DL A80C10	2.77	3.27	3.91	3.07		1	5.88	2.94
Boiler exit gas O, (B)	φo	DL A80C20	1	1	1	-		3.22	5.88	2.94
Total fuel flow	H/T	DL B10G10A	127.06	130,33	129.72	128.44		110.4		
A FDF discharge draft	mmAq	DL A12F10	33,5	33.3	38.5	49.6		233.7		
B FDF discharge draft	mmAq	DL A16F10	30.8	32.0	36.7	46.7				
Wind box draft	mmAq	DL A70F10	6.0	6.0-	-3.7	11,1		114.3		
Furnace draft	mmAq	DL ABOF10	-6.3	-8.5	-14.3	-7.1		-20.3		

B.E.T.: Boiler Efficiency Test

					•			
Item	Unit	Measuring Point			Rec	Recording	B.E.T. ANN	ANN
TECHNOMICS TO THE			0-0	יי יי	7-0	5-0		
Date			7/26	<u></u>			A STATE OF THE PROPERTY OF THE	
Time			00:60	10:45	11:45	14:30		
					e.			
A Lower Eco outlet draft	mmAq	EIOF	-59.6	-65.8	-73.3	-59.2	-94	
B Lower Eco outlet draft	mmAq	DL E10F20	-57.6	-64.2	-72.5	-59	5*96-	
A AH gas side diff. press.	mmAq	A53D	91.6	88.9	93.1	97.7	119.4	
1	mmAq	DL A57D10	82.6	85.7	1.06	90.1	114.3	
Primary air press.	mmAg	DL A40P10	1,501	1,498	1,490	1,495	1,496.2	
A IDF inlet draft	mmAq	DL A22F10	-199.5	-209.6	-226.7	-212.6	-297.2	
B IDF inlet draft	mmAc	DL A26F10	-196.2	-206.5	-224.0	-209.3	-294.6	
A AH inlet air temp.	၁့	A52T	36.2	36.4	36.6	36.5	35°I	
B AH inlet air temp.	၁့	DL A56T10	36.4	36.4	36.7	36.8	33.9	
A AH outlet air	၁့	A52T	304.6	310.1	313.0	313.9	338,3	
	၁့	DL A56T20	300.7	307.6	311.4	311.6	337.4	
A AH inlet gas temp.	၁့	A53T	331.4	339.2	341.3	342.7	365,4	
B AH inlet gas temp.	၁	DL A57T10	326.1	336.2	339.3	339.9	367.9	
A AH outlet gas temp.	ပ	A53T	131,3	132.3	135.1	134,3	147.4	
B AH outlet gas temp.	၁့	A57T	138.1	129.6	142.6	141.6	150.3	
	၁့	DI CIOLIO	126.8	128.4	130.1	130.2	143.6	
outlet	ບ	Clor	132.4	133.9	135.2	135.7	744.4	
tor amp.	A	CR indicator	217.5	220	220	220	236	
B IDF motor amp.	A	CR indicator	217.5	217.5	220	217.5	230	
A FDF motor amp.	A	indica	70	72.5	72.5	72.5	85	
B FDF motor amp.	Ą			70	72.5	72.5	86	
A Pri. air fan motor amp.	Ą			240	240	237.5	183	
	Ą			240	240	237.5	196	
A IDF inlet vane open	ф			9	9	60	70	
B IDF inlet vane open	8	CR controller	1	65	67.5	65	73	
FDF inlet vane	a₽	CR controller		45	50	50	74	
FDF	οko			45	50	47.5	70	
SH pass damper open	æ	CR controller		70	65	65	74	
pass damper	%			47.5	52.5	52	75	
i. air capaci	1 8			95	95	95		
analysis by Ors	œ							
O analysis by Orsat (B)	œ							
,								

Dest Number	Item	Unit	Measuring Point			Rec	Recording	B.B.T.	ANN High	ANN Low
National fineness   Nati	Test Number			0 0	D-1	D-2	D-3			
A Mill coal fineness	Date			7/26	7/26	7/26	7/26			
A Mill coal fineness	Time			00:60	10:45	11:45	14:30			
A Mill coal feeder flow   T/H   DL BIIFIO   42.26   43.70   43.74   42.63   36.7     A Mill inter air temp.   °C   DL BI3TIO   69   77.9     A Mill air coal outlet temp.   °C   DL BI3TIO   69   77.9     A Mill air coal outlet temp.   °C   DL BI3TIO   69   77.9     A Mill air coal outlet temp.   °C   DL BI3TIO   69   77.9     A Mill air coal outlet temp.   °C   DL BI3TIO   94.2   101.6   102.8   101.8   86.0   31.     A Mill capacity damper open   %   10cal   46   47   54   65     A Mill capacity damper open   %   10cal   46   47   54   65     A Mill capacity damper open   %   10cal   46   47   54   65     A Mill capacity damper open   %   R Mill air coal iteder flow   T/H   DL BIFIO   42.30   43.22   43.11   42.82   56.0     B Mill air coal outlet temp.   °C   DL BI3TIO   67   69   70   70   78.9     B Mill air coal outlet temp.   °C   DL BI3TIO   67   67   69   70   70   86.7   31.     B Mill air coal outlet temp.   °C   DL BI3TIO   600   600   600   600   600   600   86.7   86.7     B Mill capacity damper open   %   10cal   2   2   2   2   2     B Mill capacity damper open   %   10cal   53   47   58   58   58     B Mill classifier open   %   R Mill classifier ope	Mill coal	90			-					
A Mill inlet air temp.         °C         DL B13710         271         302         300         271         196.2           A Mill air coal outlet temp.         °C         DL B13720         69         71         70         69         77.9           A Mill primary air flow         T/H         DL B13720         69         71         70         69         77.9           A Mill bot air damper open         %         local         42         97         64         40         86.0         31.           A Mill cold air damper open         %         local         42         97         64         40         86.0         31.           A Mill cold air damper open         %         local         42         97         54         65         86.0         86.0           A Mill classifier open         %         Incal         42         43.22         43.11         42.82         36.0         66           A Mill classifier open         %         A CR indicator         70         70         70         70         70         70         71.66           B Mill inlet air temp.         °C         DL B23TLO         27.3         48.1         70         70         70         70         70<	Mill	T/H	BILFI	42.26	43.70	43.74	42.63	36.7		
A Mill air coal outlet temp, °C   Dr B13T2O   69   71   70   69   77.9     A Mill air coal outlet temp, °C   Indicator   540   530   540   540   540   527.8     A Mill brimary latted amper open   %   10cal   12   2   8   10cal   86.0   31.   A Mill not air damper open   %   10cal   12   2   8   12     A Mill not air damper open   %   10cal   12   2   8   12     A Mill motor ample open   %   10cal   46   47   54   65   86     A Mill motor ample open   %   10cal   46   47   54   65     A Mill motor ample open   %   10cal   46   47   54   65     A Mill motor ample open   %   10cal   46   47   54   65     A Mill motor ample open   %   10cal   46   47   54   65     A Mill coal feeder flow   %   10cal   42.30   43.22   43.11   42.82   86     B Mill inlet air temp. °C   DL B23T1O   273   282   287   288   174.6     B Mill air coal outlet temp. °C   DL B23T1O   60   60   600   500.0     B Mill air coal outlet temp. °C   DL B23T1O   67   67   69   70   86.7   31.   B Mill brimary air flow   %   10cal   97   97   97   97   97   97     B Mill cold air damper open   %   10cal   87   28   28     B Mill cold air damper open   %   10cal   53   47   58   58     B Mill classifier open   %   10cal   8   10cal   8   10cal   8     B Mill classifier open   %   10cal   8   10ca	Mill inlet	၁့	DL B13T10	271	302	300	271	196.2		
A Mill diff, draft         mmAq CR indicator         540         540         540         527.8           A Mill primary air flow         T/H         DL B13F10         94.2         101.6         102.8         101.8         86.0         31.           A Mill not air damper open         %         local         42         97         64         40         86.0         31.           A Mill capacity damper open         %         local         46         47         54         65         66         86           A Mill capacity damper open         %         R indicator         70         70         70         70         86         60           A Mill capacitier open         %         R indicator         70         70         70         86         70         86         70         86         90         86         70         86         90	Mill air coal outlet	ပ	DL B13T20	69	71	70	69	77.9		
A Mill primary air flow         T/H         DL B13F10         94.2         101.6         102.8         101.8         86.0         31.           A Mill bot air damper open         %         local         42         97         64         40         8         6         8         6         8         9         8         12         8         12         8         12         8         12         8         9	Mill diff.	mmAg	CR indicator	540	530	540	540	527.8		
A Mill hot air damper open         %         local         42         97         64         40           A Mill cold air damper open         %         local         12         8         12           A Mill capacity damper open         %         local         46         47         54         65           A Mill classifier open         %         Rock indicator         70         70         70         70           B Mill classifier open         %         R Mill classifier open         %         R Mill classifier open         %         R Mill differential draft         7/H         DL B23F10         273         282         287         288           B Mill inlet air temp.         °C         DL B23F10         273         282         287         288           B Mill inlet air temp.         °C         DL B23F10         67         67         69         70           B Mill air coal outlet temp.         °C         DL B23F10         102.7         105.0         102.0           B Mill bot air damper open         %         local         2         2         2           B Mill capacity damper open         %         local         5         7         5           B Mill motor amp.         A CR indi	Mi 11	T/H	DL B13F10	94.2	101.6	102.8	101.8	86.0		٠.
A Mill capacity damper open         %         local         12         8         12           A Mill capacity damper open         %         local         46         47         54         65           A Mill capacity damper open         %         Ridicator         70         70         70         70           A Mill classifier open         %         Ridicator         8         1         42.30         43.22         43.11         42.82           B Mill inlet air temp.         °C         DL B23T10         273         282         287         288           B Mill air coal outlet temp.         °C         DL B23T20         67         69         70           B Mill air coal outlet temp.         °C         DL B23T20         67         69         70           B Mill differential draft         T/H         DL B23T20         67         60         600         600           B Mill cold air damper open         %         local         2         2         2         2           B Mill motor amp.         A         CR indicator         65         75         72.5         72.5           B Mill classifier open         %	Mi11	∞	local	42	97	64	40			
A Mill capacity damper open         %         local         46         47         54         65           A Mill classifier open         %         CR indicator         70         70         70         70           A Mill classifier open         %         CR indicator         70         70         70         70           B Mill coal fineness         %         CDL B2IFIO         42.30         43.22         43.11         47.82           B Mill inlet air temp.         °C         DL B23TIO         273         282         287         288           B Mill air coal outlet temp.         °C         DL B23TIO         67         69         70           B Mill differential draft         mAng CR indicator         600         600         600         600           B Mill hot air damper open         %         local         97         97         97         97           B Mill capacity damper open         %         local         5         2         2         2         2           B Mill classifier open         %         CR indicator         65         75         72.5         72.5           B Mill classifier open         %         CR indicator         65         75         72.5	Mill cold air damper	æ	local	12	2	œ	12			
Mill motor amp.       A CR indicator       70       70       70         Mill classifier open       %       CR indicator       70       70       70         Mill coal fineness       %       A CR indicator       42.30       43.22       43.11       42.82         Mill inlet air temp.       °C       DL B23T10       273       282       287       288         Mill air coal outlet temp.       °C       DL B23T20       67       69       70         Mill differential draft       mmAq       CR indicator       600       600       600       600         Mill primary air flow       T/H       DL B23F10       102.7       105.0       104.0       102.0         Mill cold air damper open       %       local       2       2       2         Mill capacity damper open       %       local       53       47       58       58         Mill motor amp.       A CR indicator       65       75       72.5       72.5         Mill classifier open       %       10cal       53       47       58       58	Mill capacity damper	œ	local	46	47	54	65			
A Mill classifier open	A Mill motor	Æ	indicat	70	70	70	70	98		
B Mill coal fineness       %         B Mill coal feeder flow       T/H       DL B21F10       42.30       43.22       43.11       42.82         B Mill inlet air temp.       °C       DL B23T10       273       282       287       288         B Mill air coal outlet temp.       °C       DL B23T20       67       69       70         B Mill differential draft       mmAq       CR indicator       600       600       600       600         B Mill primary air flow       T/H       DL B23F10       102.7       105.0       104.0       102.0         B Mill cold air damper open       %       local       2       2       2       2         B Mill capacity damper open       %       local       53       47       58       58         B Mill classifier open       %       R Indicator       65       75       72.5       72.5	A Mill classifier	℀						09		
B Mill coal fineness         %           B Mill coal feeder flow         T/H         DL B21F10         42.30         43.22         43.11         42.82           B Mill inlet air temp.         °C         DL B23T10         273         282         287         288           B Mill air coal outlet temp.         °C         DL B23T20         67         69         70           B Mill differential draft         mmAq         CR indicator         600         600         600         600           B Mill brimary air flow         T/H         DL B23F10         102.7         105.0         104.0         102.0           B Mill hot air damper open         %         local         2         2         2         2           B Mill capacity damper open         %         local         53         47         58         58           B Mill classifier open         %         R Lindicator         65         75         72.5         72.5										
Mill coal feeder flow       T/H       DL B21F10       42.30       43.22       43.11       42.82         Mill inlet air temp.       °C       DL B23T10       273       282       287       288         Mill air coal outlet temp.       °C       DL B23T20       67       67       69       70         Mill differential draft       T/H       DL B23T10       102.7       105.0       600       600         Mill brimary air flow       T/H       DL B23F10       102.7       105.0       104.0       102.0         Mill cold air damper open       %       local       57       97       97       97         Mill capacity damper open       %       local       53       47       58       58         Mill motor amp.       A       CR indicator       65       75       72.5       72.5       72.5	B Mill	οko								
Mill inlet air temp.       °C       DL B23T10       273       282       287       288         Mill air coal outlet temp.       °C       DL B23T20       67       69       70         Mill differential draft       mmAq       CR indicator       600       600       600       600         Mill primary air flow       T/H       DL B23F10       102.7       105.0       104.0       102.0         Mill cold air damper open       %       local       57       97       97         Mill capacity damper open       %       local       53       47       58       58         Mill motor amp.       A       CR indicator       65       75       72.5       72.5       72.5	Mill coal feeder	H/I	DL B21F10	42.30	43.22	43.11	42.82	36.0		
Mill differential draft       °C       DL B23T20       67       69       70         Mill differential draft       mmAq       CR indicator       600       600       600       600         Mill primary air flow       T/H       DL B23F10       102.7       105.0       104.0       102.0         Mill cold air damper open       %       local       2       2       2       2         Mill capacity damper open       %       local       53       47       58       58         Mill motor amp.       A       CR indicator       65       75       72.5       72.5         Mill classifier open       %       Mill classifier open       %	Mill	၁့	DL B23T10	273	282	287	288	174.6		
Mill differential draft       mmAq       CR indicator       600       600       600       600         Mill primary air flow       T/H       DL B23F10       105.0       104.0       102.0         Mill hot air damper open       %       local       2       2       2         Mill capacity damper open       %       local       53       47       58       58         Mill motor amp.       A       CR indicator       65       75       72.5       72.5         Mill classifier open       %       Mill classifier       65       75       72.5       72.5	Mill air coal outlet	ပ	DL B23T20	29	67	69	70	78.9		
Mill primary air flow       T/H       DL B23F10       102.7       104.0       102.0       86         Mill hot air damper open       %       local       2       2       2         Mill capacity damper open       %       local       53       47       58       58         Mill motor amp.       %       CR indicator       65       75       72.5       72.5	Mill differential dra	mmAq	CR indicator	009	009	009	600	500.0		
Mill cold air damper open       %       local       2       2       2       2         Mill capacity damper open       %       local       53       47       58       58         Mill motor amp.       A       CR indicator       65       75       72.5       72.5	Mi 11	T/T	DL B23F10	102.7	105.0	104.0	1,02.0	86.7		31.3
Mill capacity damper open         %         local         2         2         2           Mill capacity damper open         %         local         53         47         58         58           Mill motor amp.         A         CR indicator         65         75         72.5         72.5           Mill classifier open         %         Mill classifier open         %         Mill classifier open	Mill hot air damper	сф	local	97	97	97	97			
Mill capacity damper open%local53475858Mill motor amp.ACR indicator6572.572.5Mill classifier open%	Mi 11	de	local	2	2	2	2	40	3 4 4	
Mill motor amp. A CR indicator 65 72.5 72.5	Mill capacity damper	óp	local	53	47	58	58			
Will classifier open %	Mill motor amp.	F		65	75	72.5	72.5	06	: :	
	Mi 11	æ		-				60		

Item	Unit	Measuring Point			Rec	Recording	B.E.T.	ANN High	ANN
Test Number			0-Q	D-1	D-2	D-3			
Date			7/26	7/26	7/26	7/26			
Time			00:60	10:45	11:45	14:30			
A Mill hot air damper open	ф	loca1	42	97	64	40			
A Mill cold air damper open	æ	local	12	2	ω	12			
A Mill capacity damper open	æ	local	46	47	54	65			
A Mill classifier vane open	ο¢ο	local.							
B Mill hot air damper open	œ	local	97	97	97	97			
B Mill cold air damper open	ďρ	local	2	2	2	2			
	ф	local	53	47	58	58			
B Mill classifier vane open	æ	local							
Y C Mill hot air damper open	0∜0	local	76	97	97	26			
A C Mill cold air damper open	<b>9</b> 0	local	2	2	2	2			
A C Mill capacity damper open	æ	local	47	47	48	48			
C Mill classifier vane open	фP	local							
D Mill hot air damper open	œ	local							
D Mill cold air damper open	dю	local							
D Mill capacity damper open	æ	local							
D Mill classifier vane open	aР	local							

( - + + + )	(1) 1111	B.E.T. ANN ANN High Low				1 (	250 200 100 100	000 000	538	538	538	538	538	538	538	602	602	602	602	602	602	602	602	602	602	602	602	602	602	602	602
		Recording	D-1 D-2 D-3	7/26 7	10:45 11:45 14:30	i i i i i i i i i i i i i i i i i i i	400	7 526	465.8 465.	.6 453.3 458.	.0 472.5	.1 458.0 457.	.7 468.6 471.	.5 470.0 463.	.0 496.2	.9 535.6 535.	.5 515.0 515.	.3 552.3 547.	6 531.	.0 535.4 589.	.9 449.0 455.	.2 531.6 533.	.4 518.3 519.	.1 525.5 527.	.6 521.8 519.	.9 525.8 527.	509.7	,7 551.9 555.	1 531.0 529.	.1 543.0 549.	.7 525.6 526.
		Measuring Point	D-0	7/26	00:60		DESTITE 441.0	573 7	ESITI3 450.4	442.2	. E51T15 461.5	, E51T16 443.1	458,4	ESIT18 452.8	481.6	, E61T10 531.4	510.3	, E61T12 544.0	. E61T13 526.0	. E61T14 533.5	442.2	. E61T16 528.5	. E61T17 514.5	523.6	, E61T19 517.8	526.0	. E61T21 509.9	, E61T22 553.7	. E61T23 530.1	. E61T24 546.9	527.9
RATURE		n Unit				-	meral remp.	metal temp. 2	metal temp. 4	metal	metal temp.	metal temp.	metal temp. 8	metal temp. 9	metal temp. 10 °C	temp.	temp. 2	temp. 3	temp. 4	temp. 5	temp.	temp.	al temp. 8 °C	temp.	al temp. 10 °C	temp. 11	temp. 12	temp. 13	temp.	temp. 15	temp.
BOILER METAL TEMPERATURE		Item	Test Number	Date	Time	F	- 1	ł	wall out	out	1 .	wall out	Div. wall out tube	Div. wall out tube	Div. wall out tube	Final	Final SH tube metal	Final SH tube metal	Final SH tube metal	Ι.	Final SH tube metal	SH tube me									

B.E.T.: Boiler Efficiency Test

Item	Unit	Measuring Point			Reco	Recording	ਲ ਲ ਜ	ANN High	ANN
Test Number			0-0	D-1	D-2	Ω-3			
Date			7/26	7/26	7/26	7/26			
Time			00:60	10:45	11:45	14:30			
RH out tube metal temp.	O		492.5	494.8	489.8	493.1		599	
	2 °C		473.8	476.8	472.6	474.8		599	
RH out tube metal temp.	3 °C	DL E71T12	563.4	577.0	556.8	558.7		599	
temp.	4 °C	DI	541.8	555.8	537.4	539.7		599	
temp.	5 °C		546.0	555.8	529.6	555.2		599	
	O. 9	DL E71T15	542.0	553.0	527.7	550.7		599	
	2° 7	DI	502.9	510.1	499,8	509.0		599	
temp.	၁ <b>့</b> ဧ		480.1	486.4	473.6	484.1		599	
	၁့ 6	DL E71T18	505.4	503.5	506.0	512.5		599	
. RH out tube metal temp. 10	٥. ٥	DIC	4.675	478.7	485.3	488.8		599	
tube metal	۲. ۲		505,7	501.2	509,5	516.3		599	
RH out tube metal temp. 12	2 °C	DL E71T21	490.0	486.2	499,4	505,3		599	
RH out tube metal	3° E		494.9	491.1	495.2	498.7		599	
ı	7° ¢	딥	475.6	472.8	478.7	481.8		599	
RH out tube metal temp. 15	S. °C	DL B71T24	514.8	518.8	509.7	517.0		599	
RH out tube metal temp. 16	၁, 9	DE	524.0	530.2	525.2	524.0		599	
temp.	17. °C	JG.	590.2	595.8	587.1	586,2		599	
tube metal temp.	J. 8I		577.7	584.9	576.1	575.2	,	599	
out tube metal temp.	J. 6I	DL E71T28	548.4	552.8	546.7	544.4		599	
temp.	20 °C		521.9	527.2	519.5	525.9		599	

Ψ	
щ	
D	
Н	
ď	
$\alpha$	
Ξ	
Δ	
5	
ũ	
ш	
TEMPERATURE	
TORNACE TEL	

		Measuring		i i	ANN	IN ANN
Item	Unit	Point		Recording	B.E.T. High	
Test Number			OQ	D5		
Date			7/26	7/26		
Time			09:30	14:45		
				\(\frac{1}{2}\)		
3F Left near S/B C-3	ပ္	local	1,275	1,205		
3F Right near S/B C-1	ູ້ວ	local	1,285	1,215		
3F Mezz. Rear Right near S/B F-2	ပ	local	1,290	1,280		
3F Mezz. Rear Left near S/B F-5	ပ္	local	1,300	1,320		
4F Mezz. Right Rear near S/B D-2	၁့	local	1,370	1,370		
4F Mezz. Left Rear near S/B D-7	D,	local	1,330	1,355		
5F Left Rear near S/B C-3	ပ	local	1,330	1,320		
5F Right Rear near S/B C-2	၁့	local	1,370	1,345		
7F Mezz. Front Right 2nd Port	၁့	local	1,215	1,180		
7F Mezz. Front Center Port	၁့	local	1,200	1,235		
ì	ပ	local	1,175	1,210		
8F Left near S/B 6-L	ပ္	local	1,050	1,075		
8F Right near S/B 6-R	၁့	local	1,075	1,060		
8F Rear Left 2nd Port	ပ	local	920	920		
9F Left near S/B 4-L	ပ	local	97.5	086		
9F Right near S/B 4-R	ပ	local	086	1,010		
9F Front Left 2nd Port	ပ္စ	local	950	960		
9F Front Center Port	ວ。	local	945	096		
OF Prost Right 2nd Dort	ပ	local	970	086		

Item	Unit	Measuring Point			Rec	Recording	B.E.T.	ANN High	ANN
Test Number			0-α	D-1	D-2	D-3			
Date			7/26	7/26	7/26	7/26			
Time			00:60	10:45	11:45	14:30			
A-1 Air resistor open		local	4.9	4.9	<b>4.</b> 0.	4.0	:		
A-2 Air resistor open		local	4.8	4.8	4.8	4.8			
A-3 Air resistor open		local	4.0	4.0	4,0	4.0			
A-4 Air resistor open		local	3.6	3.6	3.6	4.6			
B-1 Air resistor open		local	5.0	5.0	5.0	2.0			
B-2 Air resistor open		local	4.5	4.5	4.5	4.5			
B-3 Air resistor open		local	4.8	4.8	4.8	4.8			
B-4 Air resistor open		local	5.0	5.0	5.0	5.0			
C-1 Air resistor open		local	2.0	5.0	5.0	2.0			
➤ C-2 Air resistor open		local	2.0	5.0	5.0	2.0			
o C-3 Air resistor open		local	5.0	5.0	5.0	2.0			
		local	4.0	4.0	4.0	4.0			
D-1 Air resistor open		local	0.0	0.0	0.0	0.0			-
D-2 Air resistor open		local	0.5	0.5	0.5	0.5			
D-3 Air resistor open		local	1.0	1.0	1.0	1.0			
D-4 Air resistor open		local	1.0	1.0	1.0	1.0			
Airport damper open (Right)		local	4.5	4.5	4.5	2.5			
Airport damper open (Left)		local	5.5	5	5.5	2.5		1. 1. 1. 1.	

Item	Unit	Measuring Point			Rec	Recording	B.B.T.	ANN ANN High Low
	:		1	•	(			
Test Number			0-0	1-0°	D-2	D-3		
Date			07//	10 45	07//	-   5		
A CONTRACT OF THE PARTY OF THE			20:60	C#: OT	C5: T7	14:50		
Const	, (		0,090	7 090	270	7 626		000
Parter	وار		2007	7.007	270.3	2000		400
Barrel	ပ္	DL B60T11	172.4	1/6.6	1/9.2	180.3		400
. Ł	ပ		251.5	260.8	262.8	265.5		400
Burner Barrel A-1	၁့		242.9	252.9	254.9	257.5		400
Burner Barrel A-2	၁့	DL B60T20	265.2	274.8	276.7	278.7		400
Burner Barrel A-2	ວຸ		196.0	200.4	204.2	203,5		400
Burner Barrel A-2	၁့		224.2	233.0	234.2	236.4		400
	ပ္စ		239.8	249.4	251.3	253.8		400
Burner Barrel A-3	ပ		227.0	238.6	242.1	240.9		400
Burner Barrel A-3	ပ	DL B60T31	192.3	198.4	202.5	202.4		400
Burner Barrel A-3	ပ		255.1	266.9	270.1	270.0		400
Burner Barrel	ပ		263.7	274.8	277.5	277.1		400
Burner Barrel A-4	ပ	DL B60T40	266.9	277.4	279.5	281.2		400
Burner Barrel	ပ္စ		150.7	154.3	155.7	156.7		400
Burner Barrel A-4	၁		258.6	267.9	270.5	272.3		400
Burner Barrel A-4	၁့		274.5	282.5	283.4	285.6		400
Burner Barrel B-1	သို့		206.6	210.8	215.3	218.9		400
Burner Barrel B-1	၁့		222.8	227.7	232.3	233.5		400
Burner Barrel B-1	၁့		258.9	264.5	269.0	271.7		400
Burner Barrel B-1	၁့		237.3	242.0	246.6	249.2		400
Barrel	၁့		243.3	246.9	250.2	252.5		400
Barrel	၁့		193.3	197.7	202.7	204.3		400
Barrel	၁့		270.3	274.8	277.3	279.5		400
Burner Barrel B-2	ည့		243.3	246.9	249.9	252.6		400
Barrel	၁့	DL B61T30	245.6	250.0	253.4	256.2		400
١.	၁့		180.5	185.2	190.0	191.6		400
Barrel	ပ		268.2	273.4	276.I	278.5		400
Barrel	၁		242.6	246.8	250.2	253.4		400
١.	၁့		228.6	234.1	239.1	242.2		400
Barrel	၁့		218.2	224.1	229.8	230.2		400
Burner Barrel B-4	၁့	DL B61T42	251.5	258.1	262.3			400
Burner Barrel B-4	၁့		251.6	256.2	260.1	262.3		400

B.E.T.: Boiler Efficiency Test

Item	Unit	Measuring Point			Rec	Recording	B.E.T.	ANN High	ANN
Test Number			D-0	D-1	0-2	D-3			
Date			7/26	7/26	7/26	7/26			
Time			00:60	10:45	11:45	14:30			
Burner Barrel C-1	ာ့	DL B62T10	232,1	237.6	241.0	243.2		400	
Burner Barrel C-1	) o		226.9	232.0	236.3	236.3		400	
1	၁့	B62T1	234.3	239.4	243.8	246.2		400	
Barrel	ာ	DL B62T13	224.7	230.3	234.1	236.1		400	
Burner Barrel C-2	ပ	B62T2	260,2	266.5	267.9	270.1		400	
Burner Barrel C-2	ပ္	B62T2	203.8	207.7	211.3	209.8		400	
Burner Barrel C-2	ာ့	B62T2	242,5	248,9	251.3	255.1		400	
Barrel	ပ	B62T2	287.5	293.2	294.7	291.1		400	
Barrel	ວຸ	DL B62T30	41.7	43.2	43.4	43.4		400	
Burner Barrel C-3	ပ	B62T3	51.1	51.2	51,9	53.2		400	
Burner Barrel	ပ	B62T3	279.4	284.4	286.1	289.1		400	
င်္က Burner Barrel C+3	၁့	B62T3	226.8	229.3	230.3	232.4		400	
Burner Barrel	ູ	B62T4	233.9	240.5	245.0	247.0		400	
Burner Barrel C-4	၁့	B62T4	233.7	239.9	244.5	244.7		400	-
Burner Barrel C-4	၁့	B62T4	242.9	249.2	253.6	255.6		400	
Burner Barrel C-4	၁့	B62T4	257.6	264.4	268,4	270.1		400	
Burner Barrel D-1	၁့	B63T1	322.1	328.6	325.5	333.4		400	
Burner Barrel D-1	၁့	B63T1	285.5	290.3	293.1	293.3		400	
Burner Barrel D-1	၁့	B63T1	327.7	335.9	332.7	336.9		400	
Burner Barrel D-1	၁့	B63TI	337.6	345.4	341.5	348,3		400	
Burner Barrel D-2	ວຸ	B63T2	332,4	340.2	336.3	342.9		400	
Burner Barrel D-2	ົວ。	DL B63T21	271.0	275.7	279.4	281.3		400	2000
Burner Barrel D-2	၁့	B63T2	348.2	350.0	360.3			400	
Burner Barrel D-2	၁့	B63T2	330.9	338.3		341.9		400	
Burner Barrel D-3	ပ္စ	DL B63T30	***************************************	•		. 1.		400	
Burner Barrel D-3	ပ	B63T3	268.2	273.2	276.9	277.8		400	
1.1	U 0	DL B63T32	310,3	317.9	319.0	318.7		400	
Burner Barrel D-3	ပ	DL B63T33	340.6	349.8	347.9	350.9		400	
Burner Barrel D-4	၁့	B63T4	324.7	334.0	334.6	337.3		400	
Burner Barrel D-4	၁့	DL B63T41	278.3	284.4	287.5	289.1		400	
Burner Barrel D-4	ວຸ	B63T4	348.8	329.8	357.5	361.5		400	
Burner Barrel D-4	၁့	B63T4	324.1	332.3	331.8	340.6		400	
						p p	β (,	\$ ( ) ( ) ( ) ( )	E
						٠	rect	FITTOTEUCZ	

	B.E.T. ANN ANN High Low	١,					300	913.3	881.5	56.4	7	187.2 200	:	542,5	541.6									- 5.88 2.94	.88	110.4	233.7	231.1	114.3	-20.3
oiler	Recording		E-4(a)	8/6	16:30		290.0	910	820	88,2	8.8	177.2	163.7	547.7	549.1	274.3	101	111	57	55	406	453	1,183	3.42		$\sim$	182.4	183.2	70.7	-7.9
Test of Calaca Unit I Boiler	Re		2. E-3(a)		14:30		5 299.3		5 836	1		181							-						-1-	138.8	5 174.5	173.	61.	-10
of Calace		٠	-1	9/	:30 11:30		1	33 893											66 44			300 453	1,	2	74 -1	59 145.	.6 171.6	171	9	7-
	ງດັ	# ·	豆	8	08:			10 733																en i	•	Oi	10 49.6			,
Combustion	Measuring Point						DL Q20W10	DL G21H10		DL ESSF10					DL E74T10	DL EIOTIOA				DL A46F20	DL A52F	DL A52F10	DI A60G	DL A80C10		DI B10G10A	, ,			DL A80F10
	Unit						MM	HAT	T/H	T/H	mm		$kg/cm^2$	၁့	၁့	၁့	T/H	т/н	т/н	T/H	т/н	T/H	H/T	do.	æ	T/H	mmAq	mmAq	mmAq	mmAg
	Item		Test Number	Date	Time	Coal blend ratio (S/B)		Main steam flow		SH spray flow	Drum level	Drum pre	o Turbine inlet steam press.	S Final SH outlet temperature	RH outlet temperature	Eco. inlet feedwater temp.	A Hot primary air flow		A Tempering air flow	B Tempering air flow	A Secondary air flow	B Secondary air flow	Total air flow	Boiler exit gas O, (A)		Total fuel flow	disch	FDF	1.4	ace o

Item	Unit	Measuring Point			Rec	Recording		B.E.T. ANN	ANN
Test Number			년 년 3	四-2	표-3(a)	표-4(a)			:
Date			9/8	9/8	ထ	LM.			
Time			08:30	11:30	14:30	16:30			
A Lower Eco outlet draft	mmAq	DL E10F10	-66.2	6,06-	-97.1	-98.3		-94	
Lower Eco outlet	mmAq	DL E10F20	-65.8	0.68-	-92.9	-95.7		-96.5	***************************************
s side diff.	mmAq		87.1	159.6	145.4	154.0		119.4	
B AH gas side diff. press.	mmAq	DL A57D10	91.1	135.5	130.6	144.6		114.3	
air press.	mmAq	A40P	1,551	1,594	1,615	1,657	1,	,496.2	
A IDF inlet draft	mmAq	A22F	-211:8	-327.1	-329.0	-340.7		-297.2	
B IDF inlet draft	mmAq	A26F10	-209.8	-325.1	-327.3	-338.2	•	-294.6	
AH inlet	ပ	DL A52T10	36.9	36.2	37.3	33.3		35.1	
B AH inlet air temp.	ပ္	DL AS6T10	37.3	36.6	37.8	33.4		33.9	
> A AH outlet air temp.	ပ	A52T	315.6	334.1	333.7	335.7		338,3	
B AH outlet air	ပ္	DL A56T20	308.9	328.1	327.9	328.9		337.4	
S A AH inlet gas temp.	ည့	DL A53T10	340.0	369.8	368,6	371.8		365.4	
B AH inlet gas	ပ	DL A57T10	333.6	361.9	362.7	365.2		367.9	
A AH outlet gas temp.	ပ္စ	DL A53T20	143.5	143.1	145.5	143.3		147.4	
B AH outlet gas temp.	ပ	DL AS7T20	146.2	149.0	150.9	148.5		150.3	
A Precip outlet gas temp.	ပ	DL C10T10	136.9	139.9	140.9	138.3		143.6	
B Precip outlet gas temp.	ပ	DL C10T20	137.5	141.4	141.8	140.1		144.4	
	Æ	CR indicator	215	247	246	250		236	
B IDF motor amp.	Ą	CR indicator	215	245	245	250		230	
A FDF motor amp.	Ą	indica	73	84	85	82		85	
B FDF motor amp.	Ø	indica	72.5	83	82.5	83		86	
A Pri. air fan motor amp.	Ą	CR indicator	210	230	230	230		183	
B Pri. air fan motor amp.	Ą	CR indicator	215	230	228	230		196	
A IDF inlet vane open	òю	contro	58	72.5	72	72		70	
1	φp	CR controller	65	77	78	77.5		73	
	φp	CR controller	52.5	70	70	70		74	
B FDF inlet vane open	фo	contro	49	65	65	65		70	
SH pass damper open	æ	CR controller	99	56	75	79		74	
RH pass damper open	c <sub>\$</sub> p	contro	55	9	45	40		75	
Pri. air capacity damper open	ъ	contro	75	96.5	97.5	97.5			
O analysis by Orsat (A)	æ		3.4	4.0	4.0				
O, analysis by Orsat (B)	æ		3.8	3	4.2				
									٠

B.E.T.: Boiler Efficiency Test

Item	Unit	Measuring Point			Rec	Recording	B.E.T.	ANN High	ANN
Test Number			田-1	E-2	E-3(a)	E-4 (a)			
Date			9/8	9/8	9/8	9/8			
Time			08:30	11:30	14:30	16:30			
A Mill coal fineness	æ	<b>V</b>							
A Mill coal feeder flow	T/H	DL B11F10	33,53	45.86	43.81	43.72	36.7		
A Mill inlet air temp.	ပ	DL B13T10	217	265	208	212	196.2		
A Mill air coal outlet temp.	၁	DL B13T20	69	70	69	. 89	9.77		
A Mill diff. draft	mmAq	CR indicator	420	520	540	535	527.8		
A Mill primary air flow	T/H	DL B13F10	899	1.66	100.9	98.3	86.0		31.3
A Mill hot air damper open	æ	local	22	27	20	20			
A Mill cold air damper open	œ	local	25	20	29	27			
A Mill capacity damper open	œ	local	36	46	54	54			
A Mill motor amp.	A	CR indicator	80	85	85	85	98		
A Mill classifier open	ďο						09		
i									
B Mill coal	æ								
B Mill coal feeder flow	T/H	DL B21F10	33.88	49.78	47,33	47.30	36.0		
B Mill inlet air temp.	ပ	DL B23T10	193	263	253	251	174.6		
B Mill air coal outlet temp.	၁့	DL B23T20	70	71	70	70	78.9		
B Mill differential draft	mmAg	CR indicator	200	009	580	290	200°0		
B Mill primary air flow	T/H	DL B23F10	100.7	99.7	99.7	102	86.7		31.3
B Mill hot air damper open	œ	local	24	31	. 27	27			
B Mill cold air damper open	æ	local	20	12	12	12	40		
B Mill capacity damper open	oko	local	64	86	86	98			
B Mill motor amp.	Ą	CR indicator	80	92	85	85	06		
B Mill classifier open	å						60		

B.E.T.: Boiler Efficiency Test

Item	Unit	Measuring Point	-		Re	Recording	B.B.T.	ANN	ANN
Test Number			E-1	臣-2	E-3(a)	E-4(a)			
Date			9/8	9/8	9/8	9/8			
Time			08:30	11:30	14:30	16:30			
C Mill coal fineness	%								
C Mill coal feeder flow	T/H	DL B31F10	32.16	49.97	47.74	46.96	37.1		
1	ပ	DL B33T10	188	266	245	249	174.2		
C Mill air coal outlet temp.	ပ	DL B33T20	69	69	70	69	80.0		
C Mill differential draft	mmAq	CR indicator	430	580	570	570	507.4		
C Mill primary air flow	T/H	DL B33F10	91.7	109.6	106.8	106.1	82.5		31.3
C Mill hot air damper open	ď	local	24	39	27	32			
C Mill cold air damper open	d/0	local	29	15	22	20	62		
capacity	æ	local	28	57	55	52			
C Mill motor amy	Æ	CR indicator	82	90	92	85	26		
c Mill classifier open	oγo						9		
				-					
D Mill coal fineness	œ							·	
D Mill coal feeder flow	H/T	DL B41F10		-					
D Will inlet air temp.	ပ္စ	DL B43T10							
D Mill air coal outlet temp.	ပ	DL 343T20	:						
D Mill differential draft	mmAcq	CR indicator					-		
D Mill primary air flow	T/H	DL B43F10							31.3
D Mill hot air damper open	o,	local					1		
D Mill cold air damper open	ж	local							
D Mill capacity damper open	960	local							
motor amp.	A	CR indicator					1	,	
D Mill classifier open	ο¥¢			. •			1		
			<b>,</b>						

ANN																				
ANN ANN High Low																				
e E																				
Recording	E-4(a)	9/8	16:30	20	27	54			17	12	80		32	20	52		!			
Rec		9/8	14:30	50	59	54		r.	17	12	დ თ		27	22	55		:			
		9/8	11:30	27	12	46		21	70	12	98		on en	15	57					
	ti i i	9/8	08:30	22	25	36		70	7.7	20	64		24	29	28		-			
Measuring Point				local	local	local	local	( ) ( )	TOCOT.	local	local	local	local	local	local	local	local*	local*	local*	local*
Unit	:			0₩0	æ	80	οķο	. 0	8	cφ	φo	80	ċ <del>(</del>	de.	æ	οφ	œ	œ	<b>%</b>	οķο
Item	Test Number			A Mill hot air damper open	ill cold air damper open	111 capacity damper open	Mill classifier vane open	SOCIAL TOTAL	- 1	Mili cold air damper open	Mill capacity damper open	Mill classifier vane open	C Mill hot air damper open	Mill cold air damper open		Mill classifier vane open	Mill hot air damper open	Mill cold air damper open	ity	Mill classifier vane open
	Tes	Date	Time	Σ	A Mill	A Mill	X V	. Σ	<u>د</u> ۱	E E	മ	E	C	U	U	Σ. U	Ω	D	D E	

\* D - NOT IN SERVICE

Item	Unit	Measuring Point			Reco	Recording	в.в.т.	ANN	ANN
Test Number			[편] 1 년	E −2	E-3(a) E	E-4(a)			
Date			9/8	9/8	9/8	9/8			
Time			08:30	11:30	14:30	16:30			
Div. wall out tube metal temp. 1	ູ	DL ESITIO	460.0	477.8	477.7	477.5		03 03 03	
wall out tube metal temp.	ပ	DL ESITII	484.0		504.4			538	
. wall out tube metal temp.	၁့		523.0	553.4	541.3	540.3		538	
tube metal	၁ွ	DL ESITI3	465.0	485,5	486.4	486.1		538	
wall out tube metal	ပ		456.5		480.0	481.5		538	
temp.	ູ			485.9	483.1	486.6		538	
Div. wall out tube metal temp. 7	ပ		451.6	468,3	474.2	471.6		538	
Div. wall out tube metal temp. 8	ູບ	DL ESIT17	465.0	482,2	483.1	486.1		538	
Div. wall out tube metal temp. 9	၁့	DL ESITI8	457.9	472.6	477.2			538	
out tube metal	၁့	DL ESITI9	484.9	500.5	499.7	498.3		538	
Final SH tube metal temp. 1	၁့		541.9	555.6	551.6	551.1		602	
Final SH tube metal temp. 2	၁့		520.3	535.0	530,7	524.3		602	
SH tube metal temp.	၁့		548.2	589.9	576.5	574.1		602	
Final SH tube metal temp. 4	၁့	DL E61T13	533.9	562.4	550.9	547.3		602	
SH tube metal temp.	၁့		530.0		553.7	554.4		602	
SH tube metal	ပ	DL E61T15	462.6	481.5	488.7	492.7		602	
SH tube metal temp.	၁့		530.7		533,3	531.1	-	602	
SH tube metal temp.	၁့		516.1	526.0	521.5	520.6		602	
Final SH tube metal temp. 9	ပ		516.6			519.4		602	
SH tube	၁့	DL E61T19	513.3		520.1	520.3		602	
Final SH tube metal temp. 11	ပ္စ			553.0		541.7		602	
SH tube metal	ပ	DL EGIT21	505.0			520.0		602	
SH tube metal	၁့	DL E61T22	1 41	586.0	575.6	572.8		602	
Final SH tube metal temp. 14								602	
SH tube metal	ပ	DL E61T24	546.3	559.2		557.5		602	
	၁့		526.1	536.9	530.8			602	