

H. C. FRICK COKE COMPANY

Estimated Quality of Coal Available To Corporation Consumers Based Upon Various Distributions of Forecast Production

		Production in tons per day and estimated percentages of ash and sulphur																										
		1st Half - 1946-2nd Half		1947	1948	1949	1950	1951	1952	1953	1954																	
		% of Rec'd. Ash Sul.	% of Rec'd. Ash Sul.	% of Rec'd. Ash Sul.	% of Rec'd. Ash Sul.	% of Rec'd. Ash Sul.	% of Rec'd. Ash Sul.	% of Rec'd. Ash Sul.	% of Rec'd. Ash Sul.	% of Rec'd. Ash Sul.	% of Rec'd. Ash Sul.	% of Rec'd. Ash Sul.	% of Rec'd. Ash Sul.															
CASE I - Robena Coal To Clairton and steam.																												
CLAIRTON:														CLAIRTON														
Feed To Washer AT CLAIRTON	18000	10.44	1.81	15930	10.07	1.62	15400	10.09	1.68	14800	10.12	1.70	13000	10.13	1.72	11500	9.94	1.72	11500	9.79	1.72	13000	9.57	1.67	Feed To Washer			
Washed Coal AT CLAIRTON	16910	7.10	1.46	15070	7.10	1.30	14570	7.10	1.36	13990	7.10	1.38	12290	7.10	1.40	10780	7.10	1.43	10220	7.10	1.44	10940	7.10	1.41	Washed Coal			
Coal Charged As Rec'd.	20800	9.47	1.23	22870	9.12	1.35	23400	8.84	1.46	24000	8.75	1.58	25800	8.62	1.64	27400	8.48	1.66	28000	8.52	1.72	27300	8.34	1.77	Coal Charged As Rec'd.			
Total Clairton	37710	8.41	1.33	37940	8.32	1.33	37970	8.18	1.42	37990	8.14	1.51	38090	8.13	1.56	38180	8.09	1.60	38220	8.14	1.65	38210	7.99	1.64	Total Clairton			
LORAIN-CLEVELAND & DULUTH	8080	8.78	1.19	8080	8.78	1.19	8080	8.83	1.19	8080	8.84	1.17	8080	8.84	1.16	8080	8.88	1.15	8080	8.76	1.14	8080	8.88	1.16	LORAIN-CLEVELAND & DULUTH			
STEAM COAL	3120	11.00	2.20	3120	7.73	1.89	3120	7.78	1.92	3120	7.89	2.03	3120	7.89	2.03	3120	7.78	2.00	3120	7.81	2.09	3120	7.63	2.09	STEAM COAL			
TOTAL COAL SHIPPED	50000	9.80	1.50	50000	9.28	1.44	50000	9.17	1.51	50000	9.12	1.58	50000	9.01	1.61	50000	8.87	1.62	50000	8.85	1.64	50000	8.69	1.67	TOTAL COAL SHIPPED			
CASE II														Based on Shipping Robena Washed Coal To Lorain-Cleveland & Duluth, 1947 To 1954, Inclusive, with Balance of Robena Coal To Clairton and steam. Clairton To Receive All of Leisenring And Fairchance Field Production.														
CLAIRTON														CLAIRTON														
Feed To Washer	18000	10.44	1.81	15930	10.07	1.62	15400	10.09	1.68	14800	10.12	1.70	13000	10.13	1.72	11400	10.11	1.74	10800	10.07	1.75	11500	9.79	1.72	13000	9.57	1.67	Feed To Washer
Washed Coal	16910	7.10	1.46	15070	7.10	1.30	14570	7.10	1.36	13990	7.10	1.38	12290	7.10	1.40	10780	7.10	1.43	10220	7.10	1.44	10940	7.10	1.41	12420	7.10	1.41	Washed Coal
Coal Charged As Rec'd.	20800	9.47	1.23	22870	9.12	1.35	23400	8.84	1.46	24000	8.75	1.58	25800	8.62	1.64	27400	8.48	1.66	28000	8.52	1.72	27300	8.34	1.77	25800	8.31	1.77	Coal Charged As Rec'd
Total Clairton	37710	8.41	1.33	37940	8.32	1.33	37970	8.41	1.27	37990	8.34	1.32	38090	8.33	1.38	38180	8.32	1.42	38220	8.34	1.45	38210	8.24	1.45	38220	8.18	1.46	Total Clairton
LORAIN-CLEVELAND & DULUTH	8080	8.78	1.19	8080	8.78	1.19	8080	7.78	1.92	8080	7.89	2.03	8080	7.89	2.03	8080	7.78	2.00	8080	7.81	2.09	8080	7.52	2.06	8080	7.63	2.09	LORAIN-CLEVELAND & DULUTH
STEAM COAL	3120	11.00	2.20	3120	7.73	1.89	3120	7.78	1.92	3120	7.89	2.03	3120	7.89	2.03	3120	7.78	2.00	3120	7.81	2.09	3120	7.52	2.06	3120	7.63	2.09	STEAM COAL
TOTAL COAL SHIPPED	50000	9.80	1.50	50000	9.28	1.44	50000	9.17	1.51	50000	9.12	1.58	50000	9.01	1.61	50000	8.87	1.62	50000	8.85	1.64	50000	8.71	1.65	50000	8.69	1.67	TOTAL COAL SHIPPED

Note 1 - Total Clairton Coal Equals Total of Coal Washed At Clairton and Coal charged To Ovens At Clairton As Received.

Engineering Dept
Uniontown Pa.
Sept 20, 1944

Note 2 - Total Coal Shipped Equals Total of Feed To Clairton Washer, coal charged To Ovens At Clairton As Received, coal shipped To Lorain, Cleveland and Duluth And steam coal. No BEEHIVE COKE REQUIREMENTS INCLUDED.

Note 3 - Robena coal Washed At Clairton In First Half of 1946, And Washed At Robena From July 1, 1946 Through December 31, 1954.

Note 4 - Production Based on Operating Days Per Year, At The Mines.