

CONSTRUCTION DIVISION
ANNUAL REPORT - SAFETY
1983

A. On-the-Job Safety

Du Pont and CPPC forces achieved a frequency rate of .141 injuries per 200,000 hours worked in 1983. This compares with rates of .035 in 1982 and .077 in 1981. Nine L&C injuries were experienced.

The following compares performance during the past three years:

	<u>1981</u>	<u>1982</u>	<u>1983</u>
<u>Du Pont</u>			
Hours	4,744,182	4,062,998	4,339,489
% of Total Hours	21	23	34
Frequency Rate	.00	.00	.046
<u>CPPC Open Shop</u>			
Hours	12,369,892	8,747,293	4,422,725
% of Total Hours	53	50	35
Frequency Rate	.032	.00	.271
<u>CPPC Closed Shop</u>			
Hours	6,100,876	4,639,329	4,004,743
% of Total Hours	26	27	31
Frequency Rate	.229	.129	.100
<u>CPPC Total</u>			
Hours	18,470,768	13,386,622	8,427,468
% of Total Hours	80	77	66
Frequency Rate	.098	.045	.190
<u>Division Total</u>			
Hours	23,214,950	17,449,620	12,766,957
Frequency Rate	.077	.035	.141

For 1984 we continued our lost workday frequency rate goal of .090.

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B. Lost Workday Cases 1983

- June 6 Spruance - Brown & Root - A structural ironworker helper received multiple fractures to his right great toe and a simple fracture to his right second toe when an approx. 400 lb. louver counterweight fell across the toes of his right foot; he was not wearing safety shoes.
- July 8 Savannah River - Miller Dunn Electrical Company - An electrician was installing conduit above a duct. He climbed on top of the duct to get a better working position. His foot slipped off of the angle iron duct support and he stepped on a section of sheet metal duct causing it to break away. He fell 12 feet to the bottom of the duct. He suffered a compressed fracture of the vertebrae.
- July 12 (3) Pontchartrain - Payne & Keller - A cement finisher, a laborer and a layout carpenter were doing finishing work in the DCB area. There was an explosion and flash fire. All three were hospitalized with burns. The cement finisher had second and third degree burns over 60 percent of his body. The laborer had second degree burns over 30 percent of his body. The layout carpenter had second degree burns over 30 percent of his body.
- Sept. 24 Memphis - B. F. Shaw - A boilermaker, working in a drying tower, stepped on a 5/8" plywood hole cover which gave way and he fell 17 ft. He suffered a fracture to his left foot and multiple contusions and lacerations.
- Oct. 19 May Plant - Daniel Construction - A sheetmetal welder was pulling a large work table on casters when the heel of his right foot was caught and wedged between a leg support and the concrete floor. He suffered an evulsion fracture of the interior talus of the right foot.
- Oct. 25 Cooper River - Daniel Construction - A millwright was lifting a block of steel weighing approximately 155 lbs to a shop table when his back "popped". He suffered severe back strain with possible disc involvement. (Reclassified March 1984.)
- Nov. 21 Savannah River - Du Pont - A laborer stepped on his own shoe lace and tripped falling against a bench in the Change House. He suffered four fractured ribs and a collapsed lung. DUP 0918909

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Injury Summary

<u>Craft Involvement</u>	<u>No.</u>	<u>Percent of Total</u>
Labor	2	22.2
Structural Ironworker	1	11.1
Electrical	1	11.1
Cement Finisher	1	11.1
Carpenter	1	11.1
Boilermaker	1	11.1
Sheet Metal	1	11.1
Millwright	1	11.1

C. Restricted Workday Cases

In 1983 the Division experienced 26 restricted workday cases for an RWC frequency rate of .407 versus .400 in 1982. There was a ratio of 3.25 RWC injuries for every LWC, while in 1982 there was a ratio of 11.3 to 1.

D. Insurance

Workers' Compensation cost per man-hour increased from \$.067 in 1982 to \$.104 in 1983.

General liability activity was up with eleven suits filed versus six in 1982. Total demand was \$31MM with six (6) unspecified.

*Workers' Compensation losses for fiscal year ending September 30, 1983 were \$791,112 down from \$885,358 in 1982. Premiums generated were \$2,487,844 versus \$4,446,022 in 1982. Loss ratio for the division was 31.8% up from 18.2% in 1982.

*Totals differ somewhat from Kemper Loss Control Summary

**District loss ratios and cost per man-hour were:

	<u>Loss Ratio</u>	<u>Cost per Man-Hour</u>
W. S. Free	56.3%	\$.182
H. C. Marden	7.0%	.025
J. T. Chesser	17.8%	.072

**These figures do not include experience at Belle, Circleville, Savannah River, Washington Works, or any Du Pont employees.

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Loss ratios for contractors generating more than \$50M in
premiums:

B. F. Shaw	53.9%
Blount Brothers	1.1%
Brown & Root	11.9%
Daniel	8.1%
Davis Electric	92.7%
Fabrication Services	13.0%
H. B. Zachry	17.3%
Payne & Keller G.C.	200.3%

SCW:jab
Attachment

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ADDENDUM A-1
WORKERS' COMPENSATION LOSSES
10/1/82 - 9/30/83

<u>Site</u>	<u>Premium</u>	<u>Losses</u>	<u>Loss Ratio %</u>	<u>Cost Per Man-Hour</u>
Brevard	\$ 38,133	\$ 8,514	22.3	\$.060
Cape Fear	248,328	4,122	1.7	.004
Cooper River	37,277	1,018	2.7	.009
Fayetteville	23,084	411	1.8	.004
Florence	99,139	17,446	17.6	.064
Front Royal	14,357	55	.4	.002
Kinston	2,570	0	0	.000
May	83,588	18,648	22.3	.068
Spruance	237,336	11,162	4.7	.026
Waynesboro	144,665	3,780	2.6	.012
TOTAL - H. C. Marden	\$928,477	\$65,156	7.0	\$.025
Beaumont/Sabine	\$ 267,730	\$67,961	25.4	\$.096
Corpus Christi	138,554	15,898	11.5	.041
Johnsonville	34,812	22,659	65.1	.212
LaPorte/Deer Park	89,582	32,258	36.0	.134
Louisville	51,471	760	1.5	.005
Memphis	80,729	13,664	16.9	.059
Niagara Falls	19,358	63	.30	.003
Old Hickory	6,820	38,410	563.2	1.73
Pontchartrain	189,460	405,482	214.0	1.00
Victoria	220,605	21,134	9.6	.018
TOTAL - W. S. Free	\$1,099,121	\$618,289	56.3	\$.182
Albany Shops	\$ 52,357	\$ 6,006	11.5	\$.034
Exp. Station	398,086	74,809	18.8	.081
Tallahassee	6,350	670	10.6	.022
TOTAL - J. T. Chesser	\$456,793	\$ 81,485	17.8	\$.072

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ADDENDUM A-2

<u>Contractor</u>	<u>Premium</u>	<u>Loss</u>	<u>Ratio %</u>
B & B Insulation, Inc.	\$ 19,620	\$ 1,041	5.3
Blanton Electric	20,108	0	0.0
Blount Brothers Corp.	174,936	1,908	1.1
Brown and Root	610,137	72,582	11.9
Cardinal Industrial	6,943	501	7.2
Complete Sheetmetal, Inc.	1,334	58	4.3
Daniel Construction Co.	449,894	36,403	8.1
Davis Electric	103,402	95,877	92.7
Edenfield Electric	279	0	0.0
Experimental Station Contr.	398,086	74,809	1.5
Fabrication Services	52,357	6,807	13.0
General Welding Co	7,592	0	0.0
Henderson Electric	7,020	0	0.0
Lawrenceburg	1,712	0	0.0
McCabe Corcoran	1,108	63	5.7
Niagara Insulation, Inc.	7	0	0.0
Payne & Keller G.C.	189,460	379,449	200.3
Quackenbush	3,453	0	0.0
B. F. Shaw Co.	150,692	81,192	53.9
Sicoli-Massaro	18,243	0	0.0
Standard Electric	12,767	1,489	11.7
John Wile Construction Co.	28,582	241	.8
Young Insulation	9,507	525	5.5
H. B. Zachry	<u>220,605</u>	<u>38,167</u>	<u>17.3</u>
 *DIVISION TOTAL	 \$2,487,844	 \$791,112	 31.8

*Totals differ from Kemper Loss Control Summary

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