

CONFIDENTIAL

PLAINTIFF'S EXHIBIT

B&R-383

OFFICE MEMO

BROWN & ROOT, INC.

TO: Fred J. Salmon, Senior Manager DATE: November 15, 1977
FROM: Carl Richardson, Corporate Industrial Hygienist
SUBJECT: Asbestos

For your information please find attached a log of all Brown & Root Asbestos Monitoring and Results up to October, 1977. As you can see, there are a few areas where action is needed and has been initiated. As we perform further monitoring, this log will be up-dated.

This log will be kept in the Industrial Hygiene Asbestos Files as "CONFIDENTIAL".



Carl Richardson, Industrial Hygienist
Safety and Health Department

CR/db

Attachment

**DOWN & ROOT ASBESTOS MONITORING
AND RESULTS AS OF OCTOBER, 1977**

OPERATION	SAMPLING LOCATION	DATE	CONC. FIBERS/CC	REMARKS	STATUS
Stress Relief Asbestos Blankets	LaGrange, Tex. 35-5019	10/6/77	4.9 1.11(C)	Asbestos Blankets Very old - continuous wrapping of pipe	Above the OSHA Limits Blankets to be substituted with fiberglass material
Transite Siding Dry Cutting	Deer Park, Tex. 34-1236	9/2/77	0.44 0.31	Electric Saw utilized	Below the OSHA Limits Med. Surv. would be required
Transite Siding Wet Cutting	Morrison, Okla. 35-5023	5/11/77	0.07 0.05	Air Saw with stream of water utilized	Below the OSHA Limits Below Med. Surv. Levels
Cadweld Asbestos Rope	Bay City, Tex. 35-1197	8/12/76	0.02 0.03 0.09 0.14 0.20	Cadwelder - Wraps Cadwelder - Wraps Cadwelder - Wraps & Brushes Helper - Wraps & Brushes Helper - Wraps & Brushes	Below the OSHA Limits Med. Surv. would be required on most of men. Work was in poorly ventilated area.
	Glen Rose, Tex. 35-1195	10/22/76	0.07 0.035	Cadwelder in open area	Below the OSHA Limits Below Med. Surv. Levels
	Glen Rose, Tex. 35-1195	2/2/77	0.02 0.03 0.02 0.025	Cadwelders were on outside of reactor in a strong wind	Below the OSHA Levels Below Med. Surv. Levels
Cement Pipe with Asbestos	Corpus Christi, Tex. 27-1248	10/3/77	0.018 0.019 0.53(C)	Manual cutting of pipe in strong wind.	Below OSHA Levels Below Med. Surv. Levels ex- cept Ceiling Sample - more data needed
Demolition Asbestos Insulation	Rivercrest, Tex. 35-4017	7/13/77	0.11 0.09 0.40 3.7(C) 3.0(C)	Old insulation (Asbestos) with fiberglass (mixed) insulation - recent repairs Ceiling taken during clean- up sweeping	Below OSHA Levels Med. Surv. would be required

Brako and Clutch Work	Clinton Drive Shop-Garage	7/12/76	0.28 0.79(C)	Brake Shoe Develing Machine - removed	Below the OSHA Limits Med. Surv. would be Required
			0.02 0.18(C)	Utilized Air Gun to clean drums of Auto	Below the OSHA Limits Below Med. Surv. Levels
		7/15/76	0.02 0.25(C)	Wet cleaning of Cherry- Picker Brake Drums	Below the OSHA Limits Below Med. Surv. Levels
			0.37 0.04(C)	Cherry-Picker Brake Shoes Grinds Shoes with Buffer and File	Below the OSHA Limits Med. Surv. required - Grinding Discontinued
		7/22/76	0.07	Clutch Work	Below the OSHA Limits Below Med. Surv. Levels

(C) - Ceiling Sample
" - Status

OSHA Limits - 2 Fibers/CC for 8-hour Period
10 Fibers/CC Ceiling for 15-minute Period
OSHA Med. Surv. Policy - 0.1 Fibers/CC for 8-hour Period
0.5 Fibers/CC Ceiling for 15-minute Period