



BROWN & ROOT U.S.A.,

MEMO

ENVIRONMENTAL/IND. HYGIENE	
6-26-87	NAME <i>A. F. Schmit</i>
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TO: Bill Bitner
FROM: G. B. Sellers *GB*
DATE: June 24, 1987
SUBJECT: V607 Steam Drum Project

*BJM/
MLD
data entry
Al*

Attached are the industrial hygiene sampling results for asbestos fiber taken during asbestos insulation removal activities at the Cat Cracking Unit. As noted, air concentrations of asbestos fiber are below the OSHA permissible exposure level when calculated as an 8-hour time weighted average. Even though the 8-hour TWAs are below the OSHA PEL, we believe the possibility of exposure above the PEL is possible with further removal of insulation with the steam drum in service. Therefore we recommend discontinuing this project until a time when the steam drum would be out of service and would be cold. At that time a total enclosure would be erected and removal of the insulation would be accomplished without problems that may otherwise be encountered now. We also feel that this project has been a success in proving that, if required, any future assignment of this type with similar conditions could be achieved within OSHA regulations.

We appreciate the opportunity to participate in this endeavor. Should you have questions, comments or wish to continue this project; please advise.

GBS:kc

attachment

cc: M. L. Helm
J. W. Overman
A. F. Schmit
B. T. Waggoner

LAM 019402

ABS-000213

BROWN & ROOT U.S.A., INC.
ASBESTOS MONITORING RESULTS
SHELL DEER PARK MANUFACTURING COMPLEX

412000-SBV

AREA: CCU V607 Steam Drum

JOB ACTIVITY: (1) & (3) Removed and Bagged Insulation from

V607 Steam Drum;

(2) & (4) Sprayed Amended Water during

Insulation Removal;

NAME	SOC. SEC. NUMBER	JOB TITLE	SAMPLE DATE	SAMPLE DURATION (MINUTES)	TIME-WEIGHTED AVERAGE RESULT (FIBER/cc) #1	CALCULATED 8 HOUR TWA
(1)	459-98-1546	Insulator	06-22-87	200	0.36	0.15
(2)	466-27-3033	Insulator	06-22-87	200	0.13	0.05
(3)	460-41-5877	Insulator	06-22-87	200	0.22	0.09
(4)	464-23-0721	Insulator	06-22-87	200	0.19	0.08

Permissible Exposure Limit..... 0.2 F/cc

1) Fiber/cc - Fibers Of Asbestos Per Cubic Centimeter Of Air.

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