

JOHN A. JURGIEL & ASSOCIATES, INC.

Occupational Health and Safety Consultants

2092 CONCOURSE DRIVE
ST. LOUIS, MISSOURI 63146
(314) 567-7466

PLAINTIFF'S EXHIBIT

SII-2898

September 26, 1984

Mr. William J. Conroy
Account Executive
AC&S
6800 Odell St.
St. Louis, Missouri 63139

Dear Bill:-

On September 19, 1984 John A. Jurgiel and Associates monitored AC&S's demolition of insulation on the L-128 vessel in the asphalt plant. The results of this monitoring was well within the OSHA Asbestos Standard of 2 fibers per cubic centimeter. Attached is our report of this demolition activity.

Should you have any questions please feel free to call.

Sincerely,


Douglas W. Nimmo
Certified Industrial Hygienist

cc: V. J. Grizzle (Shell Oil)

LAM 019550

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ASBESTOS REMOVAL
FROM
VESSEL L-128 IN ASPHALT PLANT
September 19, 1984

INTRODUCTION

Due to the inactivity of vessel L-128 the insulation on the vessel drew moisture and a large section fell to the ground. This vessel is located in the asphalt plant. AC&S was engaged to clean-up the fallen insulation and remove the remaining insulation. John A. Jurgiel and Associates monitored this operation for airborne fiber release on September 19, 1984.

Background

On the day of our survey four AC&S employees were removing insulation from vessel L-128. These employees had been recently trained in the hazards of asbestos exposure. Information regarding the use of respiratory protection had also been provided. The area around the vessel was roped off with asbestos warning tape and portable signs that warned of the presents of asbestos were also placed around the demolition site. While in the controlled area workers wore disposable full-body protective clothing, hoods and respiratory protection. Insulation was placed in marked plastic bags as it was removed. Because of recent heavy rains the insulation was moist, and additional water was added as the removal progressed.

MONITORING

Air samples were taken on September 19, 1984 to document containment of asbestos fibers and potential exposure to the workers. Area and personal samples were taken with MSA Model G pumps that were calibrated to 2 lpm. The collection media was 0.8 micron MCE filters used in the open face configuration. Fiber levels during the demolition ranged from none detected to 0.04 fibers per cubic centimeter (f/cc). These levels were well within the CSHA asbestos standard of 2.0 f/cc. The results of our monitoring is contained in the attached table.

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CONCLUSIONS

Workers were provided with the appropriate personal protective

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equipment for the job and the control measures used during removal were adequate to reduce fiber generation to acceptable levels.

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AIRBORNE FIBER CONCENTRATIONS,
DURING INSULATION REMOVAL ON
VESSEL L-128 IN ASPHALT PLANT
September 19, 1984

Sample Number Time On - Off	Location	Fiber Concentration (F/CC)
AC&S-1 1327-1526	general clean-up and bagging.	0.044 -
AC&S-2 1330-1528	Downwind at warning tape.	N.D.*
AC&S-3	In controlled area under removal and downwind	0.007

* =None Detected

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