

JOHN A. JURGIEL & ASSOCIATES, INC.

*Occupational Health and Safety Consultants*2092 CONCOURSE DRIVE
ST. LOUIS, MISSOURI 63148
(314) 367-7488

July 2, 1984

Mr. Don Dehner
Insulating & Materials Corp.
1042 Central Industrial
St. Louis, Missouri 63310

Dear Don:

Re: Asbestos Removal in DU-2

In preparation for the DU-2 turn around, IMCO has been removing asbestos insulation from the unit. On June 26, 1984, approximately thirty feet of insulation was being removed from a ten-inch line.

Wet methods were used during the removal, and no visible dust was noted. Employees wore the required protective equipment. Clean up of the removal was thorough and effective.

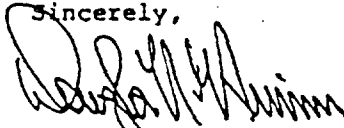
The results of the air samples collected during the removal are summarized below:

<u>Sample No.</u>	<u>Location</u>	<u>Fibers/cubic centimeter</u>
DU-1	Personal Sample	0.042
DU-2	NW Corner of Controlled Area (Upwind)	None Detected
DU-3	SE Corner of Controlled Area (Downwind)	None Detected

Personal exposure was well below the OSHA PEL of 2 fibers/cubic centimeter, and the controlled area was large enough to control the potential exposure of other personnel working in the area.

Please call if you have any questions.

Sincerely,


Douglas N. Nimmo
Certified Industrial Hygienist

CC: V. J. Grizzle

LAM 019535

ABS-000346

. 000377

JOHN A. JURGIEL & ASSOCIATES, INC.

Occupational Health and Safety Consultants

2092 CONCOURSE DRIVE
ST. LOUIS, MISSOURI 63146
(314) 567-7488

July 2, 1984

Mr. Don Dehner
Insulating & Materials Corp.
1042 Central Industrial
St. Louis, Missouri 63110

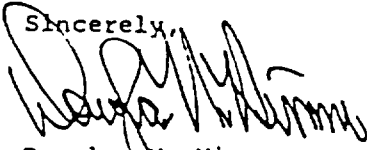
Dear Don:

Re: Report of Asbestos Removal
in the UCC Generator Room

Enclosed is a copy of our report of the asbestos removal from the #3 Turbine
in the UCC Generator Room.

Please call if you have any questions.

Sincerely,



Douglas N. Nimmo
Certified Industrial Hygienist

LAM 019536

ABS-000347

000177

INTRODUCTION

IMCO was engaged in the removal of insulation from the #3 Turbine in the UCC Generator Room. This removal was monitored as part of IMCO's ongoing asbestos control program. Additionally, the removal was done without totally isolating the turbine in a temporary housing.

BACKGGROUND

The area around #3 Turbine was isolated by placing warning tape around the turbine. Warning tape was also used in the lower level to limit access to the removal area. Asbestos warning signs were placed at all major entrances to the upper and lower removal areas. Plastic was used to cover electrical parts so limited amounts of water could be used during the removal. Water was initially applied from a garden-type spray can. Because of the thickness of the block material to be removed, a water hose was later used. However, the amount of water used was carefully restricted so exposed electrical parts (armature) would not be damaged. The block insulation was wetted down while in place, and additional water was applied before the material was placed in plastic bags. Employees wore the required protective clothing and respiratory protection. Good discipline was exercised in the wearing of protective equipment despite the heat build up in the closed building.

MONITORING

A total of five air samples were obtained during the removal. The samples were collected and analyzed in accordance with the OSHA Asbestos Standard (1910.1001).

LAM 019537

ABS-000348

000077

Personal air samples were taken on two employees, however, one employee left the job site at noon to attend to personal business. This sample is not representative of this employee's eight hour exposure, and is included only because it does represent a peak exposure level of 1.7 fibers/cubic centimeter (f/cc). The eight-hour exposure levels of the employees working on this removal project are better represented by the second employee's morning and afternoon exposure of 0.1 f/cc.

The three area samples from around the perimeter of the controlled area were 0.006, 0.008 and 0.023 f/cc. Monitoring results are contained in the attached table.

CONCLUSIONS

Personal exposures were well below the OSHA PEL of 2.0 f/cc. Although peak exposure approached this level, fiber release was generally confined to the controlled area.

LAM 019538

ABS-000349

, 000477

TABLE 1
Asbestos Removal from
#3 Turbine in UCC

<u>Sample Number</u>	<u>Location</u>	<u>Fiber Concentration (f/cc)</u>
UCC-1	North Boundary of Controlled Area	0.023
UCC-2	East Boundary of Controlled Area	0.008
UCC-3	West Boundary of Controlled Area	0.006
UCC-4		1.681
UCC-5		0.100

LAM 019539

ABS-000350

000177