WV-0219#32

PLAINTIFF'S EXHIBIT

UC-3060

INDUSTRIAL HYGIENE RESULTS

DATE: April 6, 1987.

PROJECT: Monitor a pipefitter for asbestos exposure while removing an asbestos gasket.

DATE OF SAMPLES: 1/16/87

SAMPLE	TIME START	TIME STOP	RESPIRATOR	RESULTS
Z-8874	14:25	15:29	No	0.035 fibers/cc

DISCUSSION: This exposure was less than the OSHA 8-hour Time Weighted Average Permissible Exposure Limit (PEL) of 0.20 f/cc and below the action level of 0.10 fibers/cc.

RECOMMENDATIONS: Request I.H. monitoring when asbestos gaskets are being removed since we need to get more background data on such operations.

METHOD OF ANALYSIS: Microscopy

DATA AND REPORT BY: T. L. Grittie

ANALYSIS BY: Kemron Environmental

COPY TO: D. A. Boggs, E. L. Doerflein, C. A. Gorrell, W. V. Summers, Ralph Wilson, G. W. Wulfert

T. L. Grittie

TLG/le
5454A

UCC 002045

WU-0219 #33

INDUSTRIAL HYGIENE RESULTS

DATE: April 6, 1987.

PROJECT: Monitor insulator and area near south corner of fluids lab while removing asbestos from heater. Insulator used glove bag method.

DATE OF SAMPLES: 1/20/87

SAMPLE	TYPE	TIME START	TIME STOP	RESPIRATOR	RESULTS
Z-8881	BZ	10:33	11:01	Comfo II HEPA Filter	<0.032 fibers/cc
Z-8882	A	10:35	11:01	N/A	0.104 fibers/cc

BZ = breathing zone
A = area

DISCUSSION: Both results are below the OSHA permissible exposure limit TWA - 8 of 0.2 f/cc. The area sample was above the action level of 0.1 f/cc during the sampling period. However at the end of the monitoring period no further release of fibers was expected since the job was at that time completed. Therefore it can be assumed that over an 8 hour period the actual area concentration was well below the action level.

RECOMMENDATIONS: Request further IH monitoring when similar jobs are being performed. Share this information with area and craft personnel.

METHOD OF ANALYSIS: Microscopy

DATA AND REPORT BY: C. R. McMillan/T. L. Grittie

ANALYSIS BY: Kemron Environmental

COPY TO: LD. A. Boggs, E. L. Doerflein, T. W. Heiskell, J. K. Kyle, T. L. McHenry, K. B. Purintan, W. V. Summers, G. W. Wulfert.

T. L. Grittie

TLG/le
5452A

UCC 002046

WV-0218 #34

INDUSTRIAL HYGIENE RESULTS

DATE: April 6, 1987.

PROJECT: Monitor insulators for exposure to asbestos during the de-insulation of K-6 within the temporary negative pressure enclosure, Silanes Reactor Tower.

DATE OF SAMPLES: 1/29/87 and 1/30/87

DATE	SAMPLE	TIME START	TIME STOP	RESPIRATOR	RESULTS	TYPE
1/29/87	Z-8817	2:35	3:42	Airline	0.109	BZ
1/29/87	Z-8918	2:36	3:30	Airline	0.021	BZ
1/30/87	Z-8919	12:53	13:40	Airline	0.129	BZ
1/30/87	Z-8920	12:57	13:40	Airline	<0.026	BZ

BZ = Breathing Zone

DISCUSSION: All samples are below the PEL of 0.2 fibers/cc TWAg. Z-8917 and Z-8919 are above the action level for the monitoring period. Increased wetting may help. The insulators wore airline respirators during the entire monitoring period.

RECOMMENDATIONS: Increase the amount of wetting agent (water) used. Continue using respiratory protection. Request further I.H. monitoring of similar tasks. Share this information with craftsmen.

METHOD OF ANALYSIS: Microscopy

DATA AND REPORT BY: T. L. Grittie

ANALYSIS BY: Kemron Environmental

COPY TO: D. A. Boggs, E. L. Doerflein, J. K. Kyle, F. M. Plechaty, K. B. Purinton, W. V. Summers, G. W. Wulfert.

T. L. Grittie

TLG/le
5461A

UCC 002047

WU-0219 # 35

INDUSTRIAL HYGIENE RESULTS

DATE: April 6, 1987.

PROJECT: Monitor K-40 operator for asbestos exposure due to ambient air movement. The operator performed the regular duties of the K-40 operator.

DATE OF SAMPLES: 1/22/87

SAMPLE	TYPE	TIME START	TIME STOP	RESPIRATOR?	RESULTS
Z-8889	BZ	8:45	15:00	No	< 0.003 f/cc

BZ = Breathing Zone

DISCUSSION: The results (<0.003 fibers/cc) are well below the OSHA permissible exposure limit of 0.133 fibers/cc TWA_{12} and also well below the action level of 0.667 fibers/cc (for 12 hours). This indicates that during a normal day the K-40 operator was not overexposed to asbestos.

RECOMMENDATIONS: Request I.H. monitoring of other operators who may be concerned about asbestos exposure. This will assist in pinpointing any "trouble spots". Share this information with operators.

METHOD OF ANALYSIS: Microscopy

DATA AND REPORT BY: C. R. McMillan/T. L. Grittie

ANALYSIS BY: Kemron Environmental

COPY TO: D. A. Boggs, E. L. Doerflein, D. L. Mullins, F. M. Plechaty, R. D. Smith, W. V. Summers

T. L. Grittie

TLG/le
5459A

Union Carbide trial exhibit UC-3060: T. L. Grittie, Industrial Hygiene Results: Asbestos Exposure Monitoring of Pipef... Published by AsbestosClaims.Law
ACL Doc 17904 · Page 4 of 5 asbestosclaims.law/library/17904/4

WU-0219#36

INDUSTRIAL HYGIENE RESULTS

DATE: April 6, 1987.

PROJECT: Monitor Emulsion Building area as well as an operator to determine the exposure potential due to exposed asbestos in the area.

DATE OF SAMPLES: 2/4/87

SAMPLE	TYPE	TIME START	TIME STOP	RESPIRATOR	RESULTS
Z-8956	Area	13:30	16:15	N/A	<0.007 fibers/cc
Z-8957	BZ	13:33	16:12	No	<0.008 fibers/cc

BZ = breathing zone

DISCUSSION: The area sample was placed approximately 3 inches from exposed asbestos on a vibrating pipe. Both the personnel and the area samples show levels well below both the action level (0.0667 fibers/cc - 12 hour average) and the OSHA Permissible Exposure Limit (TWA_{12} of 0.133 f/cc).

RECOMMENDATIONS: Where it is suspected that an exposure potential may exist, I.H. monitoring should be requested. Share these results with area operators.

METHOD OF ANALYSIS: Microscopy

DATA AND REPORT BY: T. L. Grittie

ANALYSIS BY: JHM Labs

COPY TO: D. A. Boggs, E. L. Doerflein, D. L. Mullins, F. M. Plechaty, R. D. Smith, W. V. Summers.

T. L. Grittie

TLG/le
5467A

UCC 002049