FILE NAME: Newport News (NN)

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DOCUMENT DESCRIPTION: Unpublished Internal Report – Asbestos Sampling

INDUSTRIAL HYGIENE ANALYTICAL REPORT

Contaminant: Asbestos

Report No: X44-119A

Sample Date: July 18, 1972 Operation: Pipe Cover Removal

Building No: Pier 4, CL-102 Department No.: X44

Sample Description or Location	Sample Number	Sampling Time (min.)	Approx. % Exposure Time of Worker	Concentration fibers/ml
Wood, William J. SSN: 230-12-3672 Removing pipe cover, #2 Engine Room	122-0	8	100	147
Parker, Archie SSN: 242-84-5296 Removing pipe cover, #2 Engine Room	122-1	10	100	330
Wood, William J. SSN: 230-12-3672 Removing pipe cover, #2 Engine Room	122-2	30	100	223
Parker, Archie L. SSN: 242-84-5296 Removing pipe cover, #2 Engine Room	122-3	35	100	38.4
#2 Engine Room deck, 40 minutes after tear down operation was complete	122-4	30	N/A	3.8
Deck below #2 Engine Room 40 minutes after removal had terminated	122-5	30	N/A	1.0
Wood, William T. SSN: 230-12-3672 Tear-down in #1 Engine Room	122-6	20	100	132
Parker, Archie L. SSN: 242-84-5296 Tear-down in #1 Engine Room	122-7	20	100	24.7
Wood, William T. SSN: 230-12-3672 Asbestos removal using water spray	122-8	30	100	6.6
Parker, Archie L. SSN: 242-84-5296 Removing pipe covers using water spray	122-0	35	100	9.8

Remarks: During the first six hours of these tests there was no water available to wet down the asbestos. A water hose was used for the last two samples and the resulting reduction in fibers was noted. Personnel were briefed on the proper use of water and its effect on the overall reduction of fiber counts.

Report By: R. K. Hinds Date: August 3, 1972

NNS-MOR-007073

INDUSTRIAL HYGIENE ANALYTICAL REPORT

Contaminant: Asbestos

Report No: X44-109A

Sample Date: July 21, 1972 Operation: Pipe Cover Removal

Building No: Pier 4 - CL 102 Department No.: X44

Sample Description or Location	Sample Number	Sampling Time (min.)	Approx. % Exposure Time of Worker	Concentration fibers/ml
Cain, Edward C. (X44) 227-68-0565 Removing pipe covers in #1 engine room bottom level	134-0	58	100	6.00
Pettaway, Tony L. (X44) 224-36-3934 Removing pipe covers in #1 engine room main level	134-1	65	100	21.81
General sample in center of engine room to give contamination concentration	134-2	60	N/A	0.27
Wiggins, Stanley (X36) 243-64-7310 Using vacuum cleaner to clean-up engine room #2 after pipe tear-down	134-3	50	100	2.27

Remarks:

Temperature was 96°F with no detectable air movement. Water was applied using common garden hose to wet down asbestos.

Report By: R.K. Hines

R.K. Hines

Date: August 2, 1972

August 2, 1972

NNS-MOR-007079

INDUSTRIAL HYGIENE ANALYTICAL REPORT

Contaminant: Asbestos

Report No: X44-107A

Sample Date: 24 July 1972 Operation: Removal of Pipe Cover

Building No: Pier 4, CL 102 Department No.: X-44

Sample Description or Location	Sample Number	Sampling Time (min.)	Approx. % Exposure Time of Worker	Concentration fibers/ml
Wood, William T. SSN: 230-12-3672 Removing asbestos in Engine Room #1 Water hose being used to wet down	135-0	40	100	20.17
Osborne, Hardy SSN: 230-12-6032 Cleaning asbestos from floor area with hands and a vacuum cleaner	135-1	40	100	41.39
Wiggins, Stanley E. SSN: 243-64-7310 Cleaning asbestos from floor with hands and vacuum cleaner	135-2	40	100	5.16

Remarks: Temperature was 90°F with no detectable air movement.

Sample 135-0: A water hose was used to wet down the pipes, however not enough water was used to keep the fibers wetted down completely after the outer cover was removed.

Samples 135-1, 135-2: No water was used for the clean-up operation. Any moisture present on fibers was due to preceding removal operation.

Report By: R.K. Hines

R.K. Hines

Date: August 2, 1972

INDUSTRIAL HYGIENE ANALYTICAL REPORT

Contaminant: Asbestos

Report No: X44-124A

Sample Date: July 27, 1972 **Operation:** Removal of Asbestos in Engine Room #2

Building No: Pier 4 CL-102 **Department No.:** X44

Sample Description or Location	Sample Number	Sampling Time (min.)	Approx. % Exposure Time of Worker	Concentration fibers/ml
Jones, Linwood M. SSN: 226-60-2214 Using mist sprayer and water hose while removing asbestos in Engine Room #2	500-0	95	100	16.97
Wood, William J. SSN: 230-12-3672 Using mist and water hose while removing asbestos from pipes in Engine Room #2	500-1	92	100	4.83
Parker, Archie L. SSN: 242-84-5296 Using mist and water hose while removing asbestos from pipes in Engine Room #2	500-2	90	100	9.13
General Engine Room air sample taken at breathing zone level, middle of Engine Room #2	500-3	80	N/A	0.78

Remarks: These are the first samples taken while using the water hose and mist sprayer for removal operations. Jones and Parker, Samples 500-0 and 500-2, were clearing at the deck level requiring them to be prone under the pipes while removing the covering.

Report By: R.K. Hines

R.K. Hines

Date: August 3, 1972

NNS-MOR-007068