CELANESE CHEMICAL COMPANY
Chemcel Plant
Bishop, Texas




To: J. D. Cantrell

From: A. E. Retherford – Bi AER-36-76 June 21, 1976

Weekly Plant Air CO Monitoring Results

Attached are the CO monitoring results of the Plant air system for the week ending 6-17-76. This complies with OSHA Regulation 1910.134(d)(2)(ii).

A. E. Retherford

AER/jm
Attachment

cc: Messrs. G. D. Boyd - Bishop
J. M. Hodges
C. W. Lee
J. T. McMahon
W. H. Meyer
R. A. Mickelson
W. L. Sharp
P. J. Volpe

W. T. McNair - CCCTC
Central Files (2)

Uniterms
OSHA
Monitoring
Air
CO

File: 259.2

004035

Table I

CO in Plant Air System

| Date | Approx. Time | Location | CO (ppm)* |
|---|---|---|---|
| 6-11-76 | 2:00 p.m. | MO-IV | 5 |
| 6-14-76 | 12:30 p.m. | TO-I | < 5 |
| " | " | TMP | < 5 |
| 6-15-76 | 10:30 a.m. | SH-II | < 5 |
| " | " | MS | 10 |
| 6-16-76 | 1:30 p.m. | Weak Formaldehyde | 5 |
| 6-17-76 | 9:30 a.m. | Boiler House No. 1 | 10 |

*Method of Analysis: NIOSH-certified Dräger detection tubes. 5 ppm is the lower limit of the Dräger tubes.

Note: Compressed Gas Association Commodity Specification G-7.1-1966 for Grade D Breathing Air is 20 ppm CO.

Cathy, Please ck. and see that each have been examined within the year. Chest x-Ray - Pulmonary function

EXPOSURE TO ASBESTOS

Monthly Report for July 1976

| EMPLOYEE NAME | DATE | LENGTH OF EXPOSURE | TYPE OF EXPOSURE |
|---|---|---|---|
| GAYZA | 7-9-76 | hrs 3 AB | ASBESTOS |
| TALIP | 7-9-76 | hrs 3 AB | ASBESTOS |
| [illegible] | 7-9-76 | hrs 3 AB | ASBESTOS |
| | 7-[illegible] | [illegible] 1 AB | [illegible] |
| [illegible] | [illegible] | [illegible] 1 AB | [illegible] |
| [illegible] | [illegible] | hrs 1 AB | [illegible] |
| | | | |
| | | | |

EXPOSURE TO ASBESTOS

Monthly Report for July 1976

| EMPLOYEE NAME | DATE | LENGTH OF EXPOSURE | TYPE OF EXPOSURE |
|---|---|---|---|
| [illegible] | 7-12-76 | 2 hrs AB | Remove insulation |
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Arthur Brown

004037

CELANESE CHEMICAL COMPANY
Chemcel Plant
Bishop, Texas

To: J. D. Cantrell

From: A. E. Retherford ~~B~~ AER-39-76 July 16, 1976

Weekly Plant Air CO Monitoring Results

Attached are the CO monitoring results of the plant air system for the two week period ending 7-15-76. This complies with OSHA Regulation 1910.134(d)(2)(ii).

A. E. Retherford

AER/jm
Attachment

cc: Messrs. G. D. Boyd - Bishop
J. M. Hodges
C. W. Lee
J. T. McMahon
W. H. Meyer
R. A. Mickelson
W. L. Sharp
P. J. Volpe

W. T. McNair - CCCTC
Central Files (2)

004038

Uniterms
OSHA
Monitoring
Air
CO

File: 259.2

Table I

CO in Plant Air System

| Date | Approx. Time | Location | CO (ppm)* |
|---|---|---|---|
| 7-05-76 | 1:30 p.m. | Special Problems Lab | <5 |
| 7-06-76 | 10:00 a.m. | MO-IV | 5 |
| 7-07-76 | 9:30 a.m. | Boiler House No. 1 | 5 |
| 7-08-76 | 1:00 p.m. | Esters | <5 |
| 7-09-76 | 1:30 p.m. | SH-I | <5 |
| 7-12-76 | 9:00 a.m. | PE | <5 |
| 7-13-76 | 2:00 p.m. | MO-IV | 5 |
| 7-14-76 | 1:00 p.m. | Special Problems Lab | <5 |
| 7-15-76 | 1:00 p.m. | TO-I | <5 |

*Method of Analysis: NIOSH-certified Dräger detection tubes. 5 ppm is the lower limit of the Dräger tubes.

Note: Compressed Gas Association Commodity Specification G-7.1-1966 for Grade D Breathing Air is 20 ppm CO.

CELANESE CHEMICAL COMPANY
Chemcel Plant
Bishop, Texas

To: J. D. Cantrell

From: A. E. Retherford AER-40-76 July 16, 1976

**OSHA Compliance Monitoring Results**

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**Uniterms:**
OSHA
Compliance
Monitoring
Survey
Contaminants

004040

File: 259.1

CELANESE CHEMICAL COMPANY
Chemcel Plant
Bishop, Texas

To: J. D. Cantrell

From: A. E. Retherford AER-40-76 July 16, 1976

OSHA Compliance Monitoring Results

The attached table contains results of OSHA compliance monitoring of various air contaminants throughout the Bishop Plant. These results are part of our Plant-wide OSHA survey of all air contaminants, as outlined in AER-37-76. All results are given as 8 hour TWA's (time weighted averages).

To obtain the best 8 hour TWA, most sampling was personnel. This was achieved by attaching the monitoring equipment to the individual.

Monitoring will continue and update reports will be issued accordingly.

A. E. Retherford

AER/jm

Attachment

See Attached Distribution List

004041

| Unit | Date | Name | Social Security Number | Job Description | Contaminant Monitored | Monitoring Method | 8-Hour TWA Exposure mg/M³ | Acceptable TWA(1) mg/M³ | Ceiling Level (mg/M³) (Duration - in Minutes)(1) | Highest Concentration Detected mg/M³ | Comments |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Oxo | 2-24-76 | Connie W. Dierke | 458-36-6792 | Propanol Operator | Propanol | Charcoal Tubes NIOSH Method No. S62(2) | 8 | 500 | Not Established (N.E.)(4) | <12 | - |
| Oxo | 2-24-76 | Howard Fordtran | 458-09-1945 | Butanol Operator | Butanol | Charcoal Tubes NIOSH Method No. S66(2) | 8 | 300 | N.E. | <12 | - |
| Oxo | 2-24-76 | L. B. Morgan | 458-10-3881 | Oxo Operator | Carbon Monoxide | NIOSH Certified Dräger Tubes | 3 | 55 | N.E. | 55 | The daily route of the Operator was spot-checked. |
| Oxo | 2-26-76 | L. B. Morgan | 458-10-3881 | Oxo Operator | Isobutyraldehyde | Charcoal Tubes(2) | 11 | N.E. | N.E. | 14 | A NIOSH analytical method for aldehydes was not found. Charcoal tubes may not be suitable. May require resampling. |
| | | | | | Butyraldehyde | Charcoal Tubes(2) | 11 | N.E. | N.E. | 14 | |
| Oxo | 2-26-76 | Gary Etheridge | 449-70-2003 | Operator's Helper - Lab Person | Propanol | Charcoal Tubes: NIOSH Method No. S62(2) | 9 | 500 | N.E. | <29 | - |
| | | | | | Butanol | NIOSH Method No. S66(2) | 9 | 300 | N.E. | <29 | |
| | | | | | Butyraldehyde | - | 9 | N.E. | N.E. | <29 | |
| | | | | | Isobutyraldehyde | - | 9 | N.E. | N.E. | <29 | |
| Oxo | 2-24-76 | Area Sample | Not Applicable (N.A.) | N.A. | Hydrogen | MSA Combustible Gas and Oxygen Indicator | 20.5% $O_2$ | Not <18% $O_2$(3) | N.E. | N.A. | Spot-checked Operator's daily route. |
| Maintenance | 3-02-76 | H. A. Frenzel | 460-48-4442 | Maintenance Degreasing Plates | Toluene | Charcoal Tubes: NIOSH Method No. P and CAM 127(2) | 5 | 200 | 300(10) | 19 | - |
| | | | | | Methyl Ethyl Ketone | NIOSH Method No. S-3(2) | 2 | 200 | 250(15) | 6 | |
| Maintenance | 3-02-76 | Charlie Thomas | 450-44-2532 | Maintenance Degreasing Plates | Toluene | Charcoal Tubes: NIOSH Method No. P and CAM 127(2) | 2 | 200 | 300(10) | 7 | - |
| | | | | | Methyl Ethyl Ketone | NIOSH Method No. S-3(2) | 2 | 200 | 250(15) | 6 | |

(1) Federal Register, Volume 39, No. 125, pp 23541 - 23543.
(2) Analysis by E. S. Ramey, NIOSH Method No. S-3 and P and CAM 127. 22976 - 26, 27, 30.
(3) Simple Asphyxiants, Threshold Limit Values for Chemical Substances, p. 6.
(4) N. E. - Not established yet by OSHA.

004042

| Unit | Date | Name | Social Security Number | Job Description | Contaminant Monitored | Monitoring Method | 8-Hour TWA Exposure mg/M³ | Acceptable TWA[1] mg/M³ | Ceiling Level (mg/M³) (Duration - in Minutes)[1] | Highest Concentration Detected mg/M³ | Comments |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Maintenance | 3-15-76 | Paul T. Jeane | 433-20-9235 | Removing insulation from line in MO-I sump pump | Asbestos | .8μ Millipore Filter[5] | <.01 Fibers/cc | ≤5 fibers longer than 5 micrometers per cc of air | ≤10 Fibers/cc at any time | <1.1 Fibers/cc | - |
| Maintenance | 3-23-76 | Leo C. Bull | 455-05-4572 | Insulation removal MO-IV Cooling Tower | Asbestos | .8μ Millipore Filter | 0.02 Fibers/cc | ≤5 fibers longer than 5 micrometers per cc of air | ≤10 Fibers/cc at any time | 1.4 Fibers/cc | - |
| Maintenance | 3-25-76 | Leo C. Bull | 455-05-4572 | Insulation removal in Boiler No. 13 | Astestos | .8μ Millipore Filter | <.01 Fibers/cc | ≤5 fibers longer than 5 micrometers per cc of air | ≤10 Fibers/cc at any time | 0.9 Fibers/cc | - |
| Maintenance | 4-06-76 | Mike Salinas | 456-26-2565 | Removing insulation from T-278 condensate line | Asbestos | .8μ Millipore Filter | <.01 Fibers/cc | ≤5 fibers longer than 5 micrometers per cc of air | ≤10 Fibers/cc at any time | <0.5 Fibers/cc | - |
| Maintenance | 4-21-76 | Paublo Saurez | 465-38-0715 | MO-I Insulation Removal | Asbestos | .8μ Millipore Filter | <0.01 Fibers/cc | ≤5 fibers longer than 5 micrometers per cc of air | ≤10 Fibers/cc at any time | <0.9 Fibers/cc | - |
| MS | 4-28-76 | Ralph Alexander | 465-38-2878 | High Pressure Operator | Methanol | Silica Gel Tubes NIOSH Method No. S59[5] | 2.2 (mg/M³) | 260 (mg/M³) | N.E. | 5.0 (mg/M³) | - |
| MS | 4-28-76 | Ralph Blackman | 219-38-0003 | Operator Guager | Methanol | Silica Gel Tubes NIOSH Method No. S59[5] | 2.2 | 260 | N.E. | 3.5 | - |
| MS | 4-28-76 | Area Sample | N.A. | N.A. | Carbon Monoxide | NIOSH Certified Dräger Tubes | 20 | 55 | N.E. | 285 | Spot-checked Operator's daily routes. |
| MS | 4-28-76 | Area Sample | N.A. | N.A. | Carbon Dioxide | NIOSH Certified Dräger Tubes | 275 | 9,000 | N.E. | 715 | Spot-checked Operator's daily routes. |

[1] Federal Register, Volume 39, No. 125, pp. 23541 - 23543.

[5] Analysis by National Loss Control Service Corporation, Environmental Science Laboratory, Long Grove, Illinois.

004043

| Unit | Date | Name | Social Security Number | Job Description | Contaminant Monitored | Monitoring Method | 8-Hour TWA Exposure mg/M3 | Acceptable TWA(1) mg/M3 | Ceiling Level (mg/M3) (Duration - in Minutes)(1) | Highest Concentration Detected mg/M3 | Comments |
|---|---|---|---|---|---|---|---|---|---|---|---|
| MS | 4-28-76 | Area Sample | N.A. | N.A. | Hydrogen Methane | MSA Combustible Gas and Oxygen Indicator | 20.0% $O_2$ | Not <18% $O_2$(3) | N.E. | N.A. | Spot-checked Operator's daily routes. |
| Paraform | 4-30-76 | Charles Snyder | 188-20-8807 | Paraform Inside Helper | Methanol | Silica Gel Tubes NIOSH Method No. S59(5) | 1.55 | 260 | 1,048(15) | 2.0 | - |
| Paraform | 4-30-76 | L. R. Benavidas | 457-96-9246 | Paraform Outside Helper | Methanol | Silica Gel Tubes NIOSH Method No. S59(5) | 3.03 | 260 | 1,048(15) | 4.1 | - |
| Paraform | 5-11-76 | Ruben Anzaldua | 449-86-3958 | Paraform Outside Helper | Methylal | Charcoal Tubes NIOSH Method No. S71(5) | 4.4 | 3,110 | N.E. | 4.7 | - |
| Paraform | 5-11-76 | Maximino Pena | 464-50-3011 | Paraform Inside Helper | Methylal | Charcoal Tubes NIOSH Method No. S71(5) | 4.4 | 3,110 | N.E. | 4.7 | - |
| Polyol | 5-12-76 | Area Sample | N.A. | N.A. | Ozone | Dräger Tubes | 0.002 | 0.2 | N.E. | 0.05 | Spot-checked daily route of the PE Operator. |
| Polyol | 5-12-76 | E. W. Kronke | 457-58-6407 | DAA Operator | Diacetone Alcohol | Charcoal Tubes: NIOSH Method No. S55(5) | 2.7 | 240 | N.E. | 2.7 | - |
| | | | | | Mesityl Oxide | NIOSH Method No. S12(5) | 1.7 | 100 | N.E. | 1.7 | |
| MO-IV | 5-13-76 | Gordon Shaffer | 453-28-8168 | MO Operator | Methanol | Silica Gel Tubes NIOSH Method No. S59(5) | 3.4 | 260 | 1,048(15) | 6.3 | - |
| Shipping Services | 5-18-76 | Norbert D. Hoelscher | 510-44-0026 | Tank Car Loader | n-Butanol | Charcoal Tubes: NIOSH Method No. S66(5) | <1.0 | 305 | N.E. | 1.7 | - |
| | | | | | n-Butyl Acetate | NIOSH Method No. S47(5) | 2.2 | 710 | N.E. | 3.9 | |
| Shipping Services | 5-18-76 | Blawyer E. Gentry | 453-26-5058 | Truck Loader | n-Butanol | Charcoal Tubes NIOSH Method No. S66(5) | 2.0 | 305 | N.E. | 5.5 | - |

(1) Federal Register, Volume 39, No. 125, pp 23541 - 23543.

(3) Simple Asphyxiants, Threshold Limit Values for Chemical Substances, p. 6.

(5) Analysis by National Loss Control Service Corporation, Environmental Science Laboratory, Long Grove, Illinois.

004044

| Unit | Date | Name | Social Security Number | Job Description | Contaminant Monitored | Monitoring Method | 8-Hour TWA Exposure $mg/M^3$ | Acceptable TWA[1] $mg/M^3$ | Ceiling Level ($mg/M^3$) (Duration - in Minutes)[1] | Highest Concentration Detected $mg/M^3$ | Comments |
|---|---|---|---|---|---|---|---|---|---|---|---|
| SH-II | 5-19-76 | Tommy Johnson | 440-50-8919 | Operator's Helper | Dioxane | Charcoal Tubes NIOSH Method No. S360[5] | 1.0 | 360 | N.E. | <1.5 | - |
| TO-II | 5-19-76 | Steve R. Davis | 459-82-5687 | Operator's Helper | Dioxane | Charcoal Tubes NIOSH Method No. S360[5] | .7 | 360 | N.E. | <1.3 | - |
| SH-II | 5-20-76 | Tommy Johnson | 440-50-8919 | Operator's Helper | Methanol | Silica Gel Tubes NIOSH Method No. S59[5] | 6.02 | 260 | N.E. | 7.6 | - |
| TO-II | 5-20-76 | Steve R. Davis | 459-82-5687 | Operator's Helper | Methanol | Silica Gel Tubes NIOSH Method No. S59[5] | 3.7 | 260 | N.E. | 4.3 | - |
| Paraform | 5-27-76 | Rudy Ibanez | 462-70-2170 | Operator's Helper | n-Butanol | Charcoal Tubes: NIOSH Method No. S66[5] | 2.3 | 305 | N.E. | 2.4 | - |
| | | | | | n-Butyl Acetate | NIOSH Method No. S47[5] | 4.3 | 710 | N.E. | 4.5 | |
| Shipping Services | 6-02-76 | Charles Petri | 458-02-7002 | Truck Loader | n-Butyl Acetate | Charcoal Tubes NIOSH Method No. S47[5] | 7.0 | 710 | N.E. | 15 | - |
| Polyol Loading | 6-03-76 | George Ritter | 517-32-1569 | Polyol Preloader | Diacetone Alcohol | Charcoal Tubes NIOSH Method No. S55[5] | <1.0 | 240 | N.E. | 3.1 | - |
| Utilities | 6-02-76 | R. C. Edgeman | 448-24-9902 | Water Treator Operator | Respirable Dust, as Calcium Oxide | Vinyl Filters | 0.75 | 5 | N.E. | 15.76 | - |
| Shipping Services | 6-08-76 | Bob Coughran | 464-40-2528 | Tank Car Loader | Propanol | Charcoal Tubes: NIOSH Method No. S62[5] | 1.8 | 500 | N.E. | 3.8 | - |
| | | | | | Ethyl Acetate | NIOSH Method No. S49[5] | 1.5 | 1,400 | N.E. | 4.9 | |
| Polyol | 6-08-76 | Donald O. King | 455-32-0815 | 1,3-BG Operator | Butanol | Charcoal Tubes NIOSH Method No. S66[5] | 2.4 | 305 | N.E. | 2.5 | - |
| Shipping Services | 6-09-76 | Joe Jiral | 467-12-5131 | Truck Unloader | Acetone | Charcoal Tubes NIOSH Method No. S1[5] | 5.2 | 2,400 | N.E. | 15 | - |

[1] Federal Register, Volume 39, No. 125, pp 23541 - 23543.

[5] Analysis by National Loss Control Service Corporation, Environmental Science Laboratory, Long Grove, Illinois.

004045

| Unit | Date | Name | Social Security Number | Job Description | Contaminant Monitored | Monitoring Method | 8-Hour TWA Exposure mg/M$^3$ | Acceptable TWA[1] mg/M$^3$ | Ceiling Level (mg/M$^3$) (Duration - in Minutes)[1] | Highest Concentration Detected mg/M$^3$ | Comments |
|---|---|---|---|---|---|---|---|---|---|---|---|
| SH-II | 5-19-76 | Tommy Johnson | 440-58-8919 | Operator's Helper | Dioxane | Charcoal Tubes NIOSH Method No. S360[5] | 1.0 | 360 | N.E. | <1.5 | - |
| TO-II | 5-19-76 | Steve R. Davis | 459-82-5687 | Operator's Helper | Dioxane | Charcoal Tubes NIOSH Method No. S360[5] | .7 | 360 | N.E. | <1.3 | - |
| SH-II | 5-20-76 | Tommy Johnson | 440-50-8919 | Operator's Helper | Methanol | Silica Gel Tubes NIOSH Method No. S59[5] | 6.02 | 260 | N.E. | 7.6 | - |
| TO-II | 5-20-76 | Steve R. Davis | 459-82-5687 | Operator's Helper | Methanol | Silica Gel Tubes NIOSH Method No. S59[5] | 3.7 | 260 | N.E. | 4.3 | - |
| Paraform | 5-27-76 | Rudy Ibanez | 462-70-2170 | Operator's Helper | n-Butanol | Charcoal Tubes: NIOSH Method No. S66[5] | 2.3 | 305 | N.E. | 2.4 | - |
| | | | | | n-Butyl Acetate | NIOSH Method No. S47[5] | 4.3 | 710 | N.E. | 4.5 | |
| Shipping Services | 6-02-76 | Charles Petri | 458-02-7002 | Truck Loader | n-Butyl Acetate | Charcoal Tubes NIOSH Method No. S47[5] | 7.0 | 710 | N.E. | 15 | - |
| Polyol Loading | 6-03-76 | George Ritter | 517-32-1569 | Polyol Preloader | Diacetone Alcohol | Charcoal Tubes NIOSH Method No. S55[5] | <1.0 | 240 | N.E. | 3.1 | - |
| Utilities | 6-02-76 | R. C. Edgeman | 448-24-9902 | Water Treator Operator | Respirable Dust, as Calcium Oxide | Vinyl Filters | 0.75 | 5 | N.E. | 15.76 | - |
| Shipping Services | 6-08-76 | Bob Coughran | 464-40-2528 | Tank Car Loader | Propanol | Charcoal Tubes: NIOSH Method No. S62[5] | 1.8 | 500 | N.E. | 3.8 | - |
| | | | | | Ethyl Acetate | NIOSH Method No. S49[5] | 1.5 | 1,400 | N.E. | 4.9 | |
| Polyol | 6-08-76 | Donald O. King | 455-32-0815 | 1,3-BG Operator | Butanol | Charcoal Tubes NIOSH Method No. S66[5] | 2.4 | 305 | N.E. | 2.5 | - |
| Shipping Services | 6-09-76 | Joe Jiral | 467-12-5131 | Truck Unloader | Acetone | Charcoal Tubes NIOSH Method No. S1[5] | 5.2 | 2,400 | N.E. | 15 | - |

[1] Federal Register, Volume 39, No. 125, pp 23541 - 23543.

[5] Analysis by National Loss Control Service Corporation, Environmental Science Laboratory, Long Grove, Illinois.

004046

| Unit | Date | Name | Social Security Number | Job Description | Contaminant Monitored | Monitoring Method | 8-Hour TWA Exposure mg/M$^3$ | Acceptable TWA[1] mg/M$^3$ | Ceiling Level (mg/M$^3$) (Duration - in Minutes)[1] | Highest Concentration Detected mg/M$^3$ | Comments |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Polyol | 6-09-76 | E. W. Kronke | 457-58-6407 | TMP Operator | Ethyl Acetate | Charcoal Tubes NIOSH Method No. S49[5] | 3.0 | 1,400 | N. E. | 3.2 | - |
| Celanex | 6-10-76 | James Haner | 458-02-6528 | Utilityperson | Total Dust, as Fiberglass | Vinyl Filter | 2.3 | 10 | N. E. | 5.1 | - |
| Paraform | 6-15-76 | B. J. Steiger | 466-52-9014 | Paraform Inside Helper | Formaldehyde | Chromotropic Acid[6] | 1.1 | 4 | 12(30) | 1.3 | - |
| Paraform | 6-16-76 | Mike Cook | 585-46-1087 | Paraform Outside Helper | Formaldehyde | Chromotropic Acid[6] | 1.0 | 4 | 12(30) | 1.4 | - |
| Paraform | 6-17-76 | James Plocek | 461-76-0899 | Flake Bagging Operator | Formaldehyde | Chromotropic Acid[6] | 1.1 | 4 | 12(30) | 2.0 | - |
| Paraform | 6-18-76 | J. O. Lopez | 464-50-6543 | Grinder Operator Helper (Bagging Powder) | Formaldehyde | Chromotropic Acid[6] | 1.9 | 4 | 12(30) | 4.3 | - |
| MO | 6-22-76 | Gordon Shaffer | 453-28-8168 | MO-IV Operator | Formaldehyde | Chromotropic Acid[6] | 1.0 | 4 | 12(30) | 1.5 | - |
| MO | 6-23-76 | Al Solis | 464-92-4427 | MO-III Operator | Formaldehyde | Chromotropic Acid[6] | 1.40 | 4 | 12(30) | 2.0 | - |
| Polyol | 6-24-76 | T. E. Castaneda | 465-62-7486 | TMP Operator | Formaldehyde | Chromotropic Acid[6] | 1.1 | 4 | 12(30) | 1.7 | - |
| Polyol | 6-25-76 | B. L. Fuhrken | 461-98-2384 | Polyol Inside Helper | Formaldehyde | Chromotropic Acid[6] | <.3 | 4 | 12(30) | <.3 | - |

[1] Federal Register, Volume 39, No. 125, pp 23541 - 23543.

[5] Analysis by National Loss Control Service Corporation, Environmental Science Laboratory, Long Grove, Illinois.

[6] Laboratory analysis by Chromotropic Acid Method, Chemcel Plant Method A-1-30.

004047

EXPOSURE TO ASBESTOS

Monthly Report for August 1976

| EMPLOYEE NAME | DATE | LENGTH OF EXPOSURE | TYPE OF EXPOSURE |
|---|---|---|---|
| C R Whitt. | 8-16-76 | 1 hr 9-10-76 | Remove insulation |
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004048