RAPID CITY, SD 57709-1277
P.O. BOX 1277
REMOVAL AND REFINISHING
ASBESTOS, INC.

OCTOBER 26-27, 1992 TO APRIL 30, 1993
VOLUME I
FINAL REPORT
HELENA, MT. LEWIS AND CLARK COUNTY
HELENA HOUSING AUTHORITY

PROJECT DOCUMENTATION
AIR FILTRATION DEVICE MAINTENANCE LOG

VOLUME 1

FINAL SUBMITTAL

TABLE OF CONTENTS
<table>
<thead>
<tr>
<th>Date: 10/4/92</th>
<th>Project:</th>
<th>Phase No.:</th>
<th>Supervisor:</th>
</tr>
</thead>
</table>

**DAILY ASBESTOS FILTRATION DEVICE (AFD) MAINTENANCE LOG**

- **Date:** 10/4/92
- **Project:** (not specified)
- **Phase No.:** (not specified)
- **Supervisor:** (not specified)

### Airdot Filters

<table>
<thead>
<tr>
<th>Time of filter change:</th>
<th>Primary</th>
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<tbody>
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<tr>
<td>03.07.92</td>
<td>0K</td>
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</table>

**Lead Containment**

- **Integrity of Exhausts Checked:** Yes
- **Smoke Testing Performed:** No
- **Exhaust to Outside Building:** No
- **Continuous AFD Operation:** Yes
- **Smokenew & Gauges Working:** Yes
- **All Monitors & Gauges Working:** Yes
- **Lead Containment System:** Yes
- **Pressure Continuously Monitored:** Yes

**Supervisor Signature:**

- **Ike:**

**Notes:**

- Lead containing material is being removed by starting away from AFD's and progressing toward the contaminated lead air towards AFD's in all work areas.
<table>
<thead>
<tr>
<th>Project:</th>
<th>Phase No.:</th>
<th>Supervisor:</th>
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<tbody>
<tr>
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<table>
<thead>
<tr>
<th>Date:</th>
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<table>
<thead>
<tr>
<th>Helena Housing Authority</th>
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<table>
<thead>
<tr>
<th>A Filter must be changed when pressure differential according to Manufacturer decreases flow 25% or 1.7 in. of water. Insert checks in Prim. or Sec. Columns for Primary and Secondary filter changes.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Record pressure at end of shift if NO filters were changed.</td>
</tr>
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</table>

<table>
<thead>
<tr>
<th>APD Make &amp; Model</th>
<th>Red Baron/Notus</th>
<th>Red Baron/Notus</th>
<th>Red Baron/Notus</th>
<th>Red Baron/Notus</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
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<table>
<thead>
<tr>
<th>Gauge Reading</th>
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<th>0.5</th>
<th>0.7</th>
<th>0.3</th>
<th>0.3</th>
</tr>
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<table>
<thead>
<tr>
<th>Time of Filter change:</th>
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</thead>
<tbody>
<tr>
<td>Primary:</td>
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<td>Secondary:</td>
</tr>
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<table>
<thead>
<tr>
<th>EXPLAIN:</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
</tr>
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</table>

<table>
<thead>
<tr>
<th>YES</th>
<th>NO</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
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</tr>
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</table>

<table>
<thead>
<tr>
<th>Integrity of Exhausts Checked?</th>
<th>Yes</th>
<th>No</th>
</tr>
</thead>
<tbody>
<tr>
<td>Smoke Testing Performed?</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Continuous APD Operation?</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Continuous APD Operation?</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Exhaust to Outside Building?</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Negative Pressure &gt; 0.02 in. Water?</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Pressure Continuously Monitored?</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Lead containing material is being removed by starting away from APD's and progressing toward the contaminated lead air toward APD's in all work areas.
### Daily Asbestos Filtration Device (AFD) Maintenance Log

**Project:** Asbestos, Inc.  
**Location:** Helena, Montana

<table>
<thead>
<tr>
<th>Date: 10/09/20</th>
</tr>
</thead>
</table>

**Helena Housing Authority**

**Supervisor:**

**Date:** 10/09/20

**Phase No.:** 1

**Project No.:** 5

**AFD Make & Model:**

<table>
<thead>
<tr>
<th>Red Baron/Notus</th>
<th>Red Baron/Notus</th>
<th>Red Baron/Notus</th>
<th>Red Baron/Notus</th>
</tr>
</thead>
<tbody>
<tr>
<td>0.2</td>
<td>0.3</td>
<td>0.3</td>
<td>0.3</td>
</tr>
</tbody>
</table>

**Gauge Reading:**

- 0.2
- 0.3
- 0.3

**Time of Filter Change:**

- Primary
- Secondary

- OK

**Report Pressure at End of Shift:**

- OK

**Lead Containing Material:**

- Air from the decontamination unit and/or makeup air inlets is not clearing toward the contaminated area.

**Integrity of Exhausts:**

- Checked: YES

**Smoke Testing Performed:**

- YES

**Continuous AFD Operation:**

- YES

**All Monitors & Gauges Working:**

- YES

**Negative Pressure > 0.02 in. Water:**

- YES

**Pressure Continuously Monitored:**

- YES

**Exhaust to Outside Building:**

- YES

**Supervisor Signature:**

---

**EXPLAIN**
<table>
<thead>
<tr>
<th>Date</th>
<th>10-29-92</th>
</tr>
</thead>
<tbody>
<tr>
<td>Project</td>
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<tr>
<td>Phase No.</td>
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<tr>
<td>Supervisor</td>
<td></td>
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</table>
| A Filter   | changed when pressure differential according to manufacturer decreases flow 25% or 1/16 in. of water. Insert checks in Prim. or Sec. Columns if primary and secondary filter changes. Record pressure at end of shift if no filters were changed.
| Time of filter change: |         |
| Primary    |          |
| Secondary  |          |
| Gauge Reading |       |
| Red Baron/Notus | 03      |
| Red Baron/Notus | 03      |
| Red Baron/Notus | 03      |
| Red Baron/Notus | 03      |
| Red Baron/Notus | 03      |
| YES | NO | EXPLAIN |
| Integrity of Exhausts Checked? |   |
| Smoke Testing Performed? |   |
| Exhaust to Outside Building? |   |
| Continuous AFQ Operation? |   |
| AFQ Operation |   |
| All Monitors & Gauges Working? |   |
| Negative Pressure in Water? |   |
| Pressure Continuously Monitored? |   |

Lead containing material is being removed by starting away from AFQ's and progressing toward the contaminated area. Lead air from the decontamination unit and/or make up air inlets is not clearing lead air toward AFQ's in all work areas.

Supervisor Signature: [Signature]
### Daily Asbestos Filtration Device (AFL) Maintenance Log

**Helena Housing Authority**

<table>
<thead>
<tr>
<th>Date:</th>
<th>Project No.</th>
<th>Supervisor:</th>
<th>Phase No.:</th>
<th>AFD Make &amp; Model</th>
<th>Filter Changes According to Manufacturer</th>
<th>Time of Filter Change: Primary</th>
<th>Time of Filter Change: Secondary</th>
<th>Lead Containing Material Being Removed by Stacking Away from AFL's and Progressing Toward the AFL's, Air from the Decontamination Unit and/or Makeup Air Inlets</th>
<th>Pressure Continuously Monitored?</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Red Baron/Notus</td>
<td>Red Baron/Notus</td>
<td>Red Baron/Notus</td>
<td>Red Baron/Notus</td>
<td>Red Baron/Notus</td>
<td>Yes</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Record pressure at end of shift if no filters were changed.</td>
<td></td>
<td></td>
<td></td>
<td>Lead containing material is being removed by stacking away from AFL's and progressing toward the AFL's, air from the decontamination unit and/or makeup air inlets</td>
<td></td>
</tr>
</tbody>
</table>
Daily Asbestos Filtration Device (APD) Maintenance Log

Helena, Montana

Asbestos, Inc.
<table>
<thead>
<tr>
<th>Project:</th>
<th>Phase No.:</th>
<th>Supervisor:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Helena Housing Authority</td>
<td>2039</td>
<td>Randy Wells</td>
</tr>
</tbody>
</table>

### Daily Asbestos Abatement Log

<table>
<thead>
<tr>
<th>Date:</th>
<th>6/20/03</th>
</tr>
</thead>
</table>

**Maintenance Log**

**Asbestos Filtration Device (AFD):**

- A filter must be changed when pressure differential according to manufacturer decreases flow 25% or less. 1.7 in. of water. Insert checks in Prim. or Sec. Columns for primary and secondary filter changes.

<table>
<thead>
<tr>
<th>Red Baron/Notus</th>
<th>Red Baron/Notus</th>
<th>Red Baron/Notus</th>
<th>Red Baron/Notus</th>
</tr>
</thead>
<tbody>
<tr>
<td>Red Baron/Notus</td>
<td>Red Baron/Notus</td>
<td>Red Baron/Notus</td>
<td>Red Baron/Notus</td>
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</tbody>
</table>

**Gauge Reading:**

- Time of Filter change: Primary
- Secondary

<table>
<thead>
<tr>
<th>Primary</th>
<th>Secondary</th>
</tr>
</thead>
<tbody>
<tr>
<td>0.2</td>
<td>OK</td>
</tr>
<tr>
<td>0.3</td>
<td>OK</td>
</tr>
<tr>
<td>0.3</td>
<td>OK</td>
</tr>
</tbody>
</table>

**Integrity of Exhausts Checked:**

- YES
- NO

**Smoke Testing Performed:**

- NO

**Exhaust to Outside Building:**

- YES
- NO

**Continuous AFD Operation:**

- YES
- NO

**Negative Pressure > 0.02 in. Water:**

- YES
- NO

**Pressure Continuously Monitored:**

- YES
- NO

**Lead-containing material is being removed by starting away from AFD's and progressing toward the AFD's. Air from the decontaminated unit and/or makeup air inlets is not clearing**

Supervisor Signature: Randy Wells
### Daily Asbestos Filtration Device (APD) Maintenance Log

**Date:** 12/19/93

**Location:** Helena, Montana

### A. Filter Checking

A filter must be changed when pressure differential according to manufacturer decreases flow 25% or 1.7-in. of water, or if filters were changed. Record pressure at end of shift if no filters were changed.

<table>
<thead>
<tr>
<th>Filter Location</th>
<th>Filter Make &amp; Model</th>
<th>Integrity of Exhausts Checked?</th>
<th>Smoke Testing Performed?</th>
<th>Exhaust to Outside Building?</th>
<th>Continuous APD Operation?</th>
<th>Negative Pressure ≥ 0.02 in. Water?</th>
<th>Lead Contaminated Air Removed by Airflow?</th>
</tr>
</thead>
<tbody>
<tr>
<td>Primary</td>
<td>Red Baron/Notus</td>
<td>Yes</td>
<td>No</td>
<td>Yes</td>
<td>Yes</td>
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<tr>
<td>Secondary</td>
<td>Red Baron/Notus</td>
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<td>No</td>
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<td>Yes</td>
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<td>Yes</td>
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</table>

### B. Filter Change

<table>
<thead>
<tr>
<th>Filter Location</th>
<th>Time of Filter Change</th>
<th>Primary Pressure Change</th>
<th>Secondary Pressure Change</th>
</tr>
</thead>
<tbody>
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<td>OK</td>
</tr>
<tr>
<td>Secondary</td>
<td>0.3</td>
<td>OK</td>
<td>OK</td>
</tr>
</tbody>
</table>

### C. Supervision

Supervisor Signature: [Signature]

---

Note: The form contains additional handwritten notes and signatures.
contaminated lead air toward ADP's in all work areas.

APD's, Air from the contamination unit and/or makeup air intakes is not clearing the lead containing material is being removed by starting any from ADP's and progressing toward the

Pressure Contaminated Monitor ed?

Regulate Pressure | 0.02 in. Water?

All Monitors & Gauges Working?

Continuous APD Operation?

Smoke Testing Performed?

Integrity of Exhausts Checked?

EXPLAIN

YES NO

Primary Secondary

Time of Filter Change:

Gauge Reading:

APD's Make a Model

Record pressure at end of shift. If NO filters were changed,

1.7 in. of water. Insert check in 5th or sec. column for Primary and Secondary filter changes.

A filter must be changed when pressure differential according to manufacturer decreases flow 25% or

SUPERVISOR'S Signature: [Signature]

Helena Housing Authority

11/7/93

FILLER LOGS

HELINA, MONTANA

ASBESTOS, INC.

MAINTENANCE LOG

DAILY ASBESTOS FILTRATION DEVICE (APD)
<table>
<thead>
<tr>
<th>Date</th>
<th>9/2/03</th>
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<tbody>
<tr>
<td>Project</td>
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<tr>
<td>Phase No.</td>
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<tr>
<th>Gauge Reading</th>
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<th>Secondary</th>
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</thead>
<tbody>
<tr>
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<tr>
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<th>Secondary</th>
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</thead>
<tbody>
<tr>
<td>Yes</td>
<td></td>
<td></td>
</tr>
<tr>
<td>No</td>
<td></td>
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</tbody>
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<table>
<thead>
<tr>
<th>Integrity of Exhausts Checked?</th>
<th>Smoke Testing Performed?</th>
<th>Exhaust to Outside Building?</th>
<th>Continuous APD Operation?</th>
<th>All Monitors &amp; Gauges Working?</th>
<th>Negative Pressure &gt; 0.02 in. Water?</th>
<th>Pressure Continuously Monitored?</th>
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<tbody>
<tr>
<td>Yes</td>
<td></td>
<td></td>
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<td></td>
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<tr>
<td>No</td>
<td></td>
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</table>

Lead-containing material is being removed by starting away from APD's and progressing toward the outside. Air from the decontamination unit and/or makeup air inlets is not clearing contaminated lead away from APD's in all work areas.
DAILY ASBESTOS FILTRATION DEVICE (AFD) MAINTENANCE LOG

Date: 2/10/93

Helena Housing Authority

Red Baron/Notus

Red Baron/Notus

Red Baron/Notus

Red Baron/Notus

Red Baron/Notus

APD Make & Model

03

03

03

03

03

Gauge Reading

Time of filter change:

Primary OK

OK

Secondary OK

EXPLAIN

Supervisor Signature: Ruby Daley

Project No.: 2

Phase No.: 1

Superintendent:

A filter must be changed when pressure differential according to manufacturer decreases flow 25 or 1.7 in. of water. Insert checks in prim., sec., columns if no filters were changed.

Record pressure at end of shift if no filters were changed.

APD's in all work areas.

Integrity of exhausts checked?

Smoke testing performed?

Exhaust to outside building? YES NO

Continuous AFDP operation? YES NO

Negative pressure >0.02 in. Water? YES NO

Pressure continuously monitored? YES NO

Air from the decontamination unit and/or makeup air inlet is not clearing lead containing material being removed by starting away from AFDP's and progressing toward the AFDP's.
Date: [Blank]

Project No.: [Blank]

Phases: [Blank]

Supervisor: [Blank]

Helena Housing Authority

DAILY ASBESTOS FILTRATION DEVICE (AFD)

M A I N T E N A N C E  L O G

A filter must be changed when pressure differential according to Manufacturer decreases flow 20% or 1.7 in. of water. Insert checks in Prim. or Sec. Columns if no filters were changed.

Record pressure at end of shift if no filters were changed.

Time of Filter Change:

Primary
Secondary

Gauge Reading:

03
03

EXPLAIN

Integrity of Exhausts checked?

Smoke Testing performed?

Exhaust to Outside Building?

All Monitors & Gauges Working?

Negative Pressure > 0.02 in. Water?

Pressure Continuously Monitored?

Supervisor Signature: [Blank]
Contaminated lead air/tower ADP's in all work areas.

Lead contaminated material is being removed by stripping away from ADP's and processing toward the

Pressure continuously monitored?

Negative Pressure > 0.02 in. water?

All monitors & gauges working?

Continuous ADP operation?

Exhaust to outside building?

Smoke test performed?

Integrity of exhausts checked?

Explain

---

Red Barton/Notes

Red Barton/Notes

Red Barton/Notes

Red Barton/Notes

Red Barton/Notes

Red Barton/Notes

Red Barton/Notes

Red Barton/Notes

ADP made a model

Time of filter change:

---

Record pressure at end of shift. If no filters were changed, a filter must be changed when pressure differential according to manufacturer decreases flow 25% or

Supervisor:

Helena Housing Authority

Date:

Phased No.:

Project:

Helena, Montana

Asbestos, Inc.

---

MAINTENANCE LOG

DAILY ASBESTOS FILTRATION DEVICE (ADP)
<table>
<thead>
<tr>
<th>Date</th>
<th>3/26/23</th>
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</thead>
<tbody>
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<td>Phase No.</td>
<td>12</td>
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<td>Supervisor</td>
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**Asbestos Filtration Device (AFD)**

- Helena Housing Authority
- 6-Operational

**AFD Make & Model**
- Red Baron/Notus

**Gauge Reading**
- 0.05 in.

**Time of Filter Change**
- Primary: OK
- Secondary: OK

**Red Baron/Notus**

**Integrity of Exhausts Checked?**
- Yes

**Smoke Testing Performed?**
- Yes

**Exhaust to Outside Building?**
- Yes

**Continuous AFD Operation?**
- Yes

**All Monitors & Gauges Working?**
- Yes

**Negative Pressure >0.02 in. Water?**
- Yes

**Pressure Continuously Monitored?**
- Yes

**Lead Containing Material: Air from the decontamination unit and/or makeup air inlets is not clearing AFD’s. Air from the decontamination unit and/or makeup air inlets is not clearing AFD’s.**

**Supervisor Signature**

[Signature]
Lead containing material is being removed by scraping away from APD's and progressing toward the contaminant lead air toward APD's in all work areas.

Pressure Continuous Monitor checked.

Regulate pressure to 0.02 in. Water.

All Monitors & Gauges Working?

Continuous APD Operation?

Exhaust to Outside Building?

Smoke Testing Performed?

Integrity of Exhausts Checked?

Explain:

YES NO

Primary

Secondary

Time of Filter Change:

Gauge Reading:

APD Make & Model:

Record pressure at end of shift. If no filters were changed, 1.7 in. of water. Insert checks in Primary or Sec. columns for Primary and Secondary filter changes.

Filter must be changed when pressure differential according to manufacturer decreases to 25% of

Superintendent:

Phase No.: Project:

Date:

MAINTENANCE LOG

DAILY ASBESTOS FILTRATION DEVICE (APD)

HELENA, MONTANA

ASBESTOS, INC.
Contains contrary lead dust in all work areas.

Lead containing material is being removed by starting away from A.D.P. and progressing toward the

Exhaust continuously monitored?

Negative pressure >0.2 in. water?

All monitors & gauges working?

Continuous A.D.P. operation?

Exhaust to outside building?

Smoke testing performed?

Integrity of exhausts checked?

Yes
No

Explain


Red Barion/Notes
Red Barion/Notes
Red Barion/Notes
Red Barion/Notes
Red Barion/Notes
Red Barion/Notes
Red Barion/Notes
Red Barion/Notes

Primary Secondary

Time of Filter Change:


A filter must be changed when pressure differential according to manufacturer decreases 25% or


Supervisor:

Phase No.: 

Project:

Date:

M A I N T E N A N C E L O G

D A I L Y A S B E T S O S F I L T R A T I O N D E V I C E (A.D.P.)

H E L E N A, M O N T A N A

A S B E T S O S, I N C.
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<th>Time of Filter Change</th>
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<td>1:39 PM</td>
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<tr>
<th>APD Make &amp; Model</th>
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<th>Red Baron/Notus</th>
<th>Red Baron/Notus</th>
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<table>
<thead>
<tr>
<th>EXPLAIN</th>
<th>YES</th>
<th>NO</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Lead containing material is being removed by starting away from APDs and progressing toward the contaminated lead air toward APDs in all work areas.

Integrity of Exhausts Checked? | NO |
Smoke Testing Performed? | NO |
Exhaust to Outside Building? | NO |
Continuous APD Operation? | NO |
All Monitors & Gauges Working? | NO |
Negative Pressure > 0.02 in. Water? | NO |
Pressure Continuously Monitored? | NO |

Supervisor Signature
contaminated lead air and lead in all work areas.

APD's, APD's or the decontamination unit and/or makeup air intakes. Is _______ is not clearing the lead contaminated material is being removed by starting away from APD's and progressing forward.

Pressure continuously monitored?

Negative or partial vacuum ≥ 2.0 mm Hg? All monitors & gauges working?

Continuous APD operation?

Exhaust to outside building?

Smoke testing performed?

Integrity of exhausts checked?

Yes __________ No ________

Red Barons/Notes

Red Barons/Notes

Red Barons/Notes

Red Barons/Notes

Red Barons/Notes

Red Barons/Notes

Red Barons/Notes

Red Barons/Notes

Red Barons/Notes

Red Barons/Notes

Red Barons/Notes

A filter must be changed when pressure differential according to manufacturer decreases flow 25% or

Primary: 0.31/105

Secondary: 0.38/110

Time of filter change:

Superintendent:

Phase:

Project:

Date:

Maintenance Log

Daily asbestos filtration device (APD)

Helena, Montana

ASBESTOS, INC.
<table>
<thead>
<tr>
<th>Make &amp; Model</th>
<th>Unit No. or Serial No.</th>
<th>Drop Time</th>
<th>Gauge Pressure</th>
<th>Filter Type</th>
<th>Filter Status</th>
</tr>
</thead>
<tbody>
<tr>
<td>AFD</td>
<td></td>
<td></td>
<td></td>
<td>Primary</td>
<td>New</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Secondary</td>
<td>New</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Primary</td>
<td>New</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Secondary</td>
<td>New</td>
</tr>
</tbody>
</table>

At end of shift, if no filters were changed, write H.E.R.A. filter is changed. Write H.E.R.A. filter is changed if any filter is changed.

A filter must be changed when Pressure difference between primary and secondary filters is greater than 1.7. Record Pressure Change in primary or secondary columns for primary and secondary filters. Record Pressure Change in primary or secondary columns for primary and secondary filters.

Project: Helena

Helmet: G4

Abestos: Inc.

Address: Helena, Montana

Project: 3002

Maintenance Log

Abestos Filtration Device (AFD) Daily
<table>
<thead>
<tr>
<th>AFD Make &amp; Model</th>
<th>Unit No. or Serial No.</th>
<th>Pressure Drop</th>
<th>Time Change</th>
<th>Primary Filter</th>
<th>Secondary Filter</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

A Filter Must be Changed When Pressure Differential According to Manufacturer Decreases 25% or 1.7 in. of Water. Insert Check in Prim. or Sec. Columns for Primary and Secondary Filters Changes. Record Pressure Drop & Time Change if HEPA filter is changed.

<table>
<thead>
<tr>
<th>AFD Make &amp; Model</th>
<th>Unit No. or Serial No.</th>
<th>Pressure Drop</th>
<th>Time Change</th>
<th>Primary Filter</th>
<th>Secondary Filter</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Yes No

Integrity of Exhausts Checked?

Exhaust to Outside Building?

All Exhaust Velocities OK?

Continuous AFD Operation?

Smoke Testing Performed?

All Monitors & Gauges Working?

Negative Pressure > 0.02 in. Water?

Pressure Continuously Monitored?

Air from the decontamination unit and/or makeup air intakes is not entering contaminated ACM air toward AFDs in all work areas. Verified by smoke testing.

Yes No

Date: 3/24/13

Foreman or Supervisor

Name & Signature
<table>
<thead>
<tr>
<th>AFD</th>
<th>Unit No. or Serial No.</th>
<th>Make &amp; Model</th>
<th>Pressure Drop Change</th>
<th>Time Primary Filter</th>
<th>Secondary Filter</th>
</tr>
</thead>
<tbody>
<tr>
<td>Nors 1800</td>
<td>Nors 1800</td>
<td>Nors 1800</td>
<td>1000 psi</td>
<td>1/00 am</td>
<td>1/00 pm</td>
</tr>
</tbody>
</table>

---

**Integrity of Exhausts Checked?** No

**Smoke Testing Performed?** No

**Exhausts to Outside Building?** No

**All Exhaust Velocities OK?** Yes

**ACM is being removed by starting away from AFDs and progressing toward the AFDs.** No

**Negative Pressure >0.02 in. Water?** No

**Continuous ACM Operation?** Yes

**Name & Signature**

**Date** 2/8/93 Mon.
Asbestos, Inc.
Removal & Refinishing
160 E. Main North
P.O. Box 1277
Humboldt, SD 57702

DAILY
ASBESTOS FILTRATION DEVICE (AFD)
MAINTENANCE LOG

Project Helena Housing Authority ____________ Project No. 3002

Project Address Helena, Montana ________________

Contractor Asbestos, Inc.

A Filter Must be Changed When Pressure Differential According to Manufacturer Decreases Flow 25% or 1.7
in. of Water. Insert Checks in Prim. or Sec. Columns for Primary and Secondary Filters Changes. Record Pressure
at End of Shift if NO Filters were Changed. Write HEPA if HEPA filter is changed.

<table>
<thead>
<tr>
<th>AFD Make &amp; Model</th>
<th>Unit No. or Serial No.</th>
<th>Pressure Drop</th>
<th>Time Change</th>
<th>Primary Filter</th>
<th>Secondary Filter</th>
</tr>
</thead>
<tbody>
<tr>
<td>Notes 1800</td>
<td></td>
<td></td>
<td></td>
<td>OK</td>
<td></td>
</tr>
<tr>
<td>Notes 1800</td>
<td></td>
<td></td>
<td></td>
<td>OK</td>
<td></td>
</tr>
<tr>
<td>Notes 1800</td>
<td></td>
<td></td>
<td></td>
<td>OK</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Yes No</th>
<th>Yes No</th>
</tr>
</thead>
<tbody>
<tr>
<td>Integrity of Exhausts Checked?</td>
<td>Smoke Testing Performed?</td>
</tr>
<tr>
<td>Exhaust to Outside Building?</td>
<td>All Monitors &amp; Gauges Working?</td>
</tr>
<tr>
<td>All Exhaust Velocities OK?</td>
<td>Negative Pressure &gt;0.02 in. Water?</td>
</tr>
<tr>
<td>Continuous AFD Operation?</td>
<td>Pressure Continuously Monitored?</td>
</tr>
</tbody>
</table>

ACM is being removed by starting away from AFD's and progressing toward the AFD's. Air from the decontamination unit and/or makeup air inlets ___ is ___ is not clearing contaminated ACM air toward AFD's in all work areas. Verified by smoke testing ___ Yes ___ No.

Foreman or Supervisor [Signature]

Date 3/30/93 Tues Name & Signature
| Date: 11/13/2023 |

Form of Supervisor

**Name & Signature**

**Yes** / **No**

**Date:** 11/13/2023

**Location:** Maintenance

**Project:** Housing Authority

**Project No.:** 002

**Area:** Painted by smoke detectors

**Yes** / **No**

- Is not the continuous air exchange system all located in the same room?
- Air is being removed by a fire Alarm Unit and/or exhaust air from the AFDCs.

- Pressure Continuous Monitored?
- Negative Pressure 0.2 in. Water?
- All Motors & Controllers Working?
- Exhaust to Outside Building?
- Integrity of Exhaust System?
- Smoke Testing Performed?

<table>
<thead>
<tr>
<th>Yes</th>
<th>No</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Make &amp; Model</th>
</tr>
</thead>
<tbody>
<tr>
<td>AFDC</td>
</tr>
</tbody>
</table>

At end of shift if NO filters were changed, write **NO** in this line. A filter is changed in order of service. Insert change in primary filter, primary filter changed. Record Pressure Change. A filter must be changed when pressure differential according to manufacturer decreases flow by 1/2.

**Filter:** Asbestos, Inc.

**Project Address:** Helena, Montana

**Project Name:** Housing Authority

**Project No.:** 002

**Maintenance Log**

**Asbestos Filtration Device (AFDC)**

**Daily**
### Daily Asbestos Filtration Device (AFD) Maintenance Log

**Make & Model**

<table>
<thead>
<tr>
<th>AFD</th>
<th>Unit No. or Serial No.</th>
<th>Pressure Drop Change</th>
<th>Time Pressure Change</th>
<th>Primary Filter</th>
<th>Secondary Filter</th>
</tr>
</thead>
<tbody>
<tr>
<td>AFD1</td>
<td>12345</td>
<td>OK</td>
<td>OK</td>
<td>OK</td>
<td>OK</td>
</tr>
<tr>
<td>AFD2</td>
<td>67890</td>
<td>OK</td>
<td>OK</td>
<td>OK</td>
<td>OK</td>
</tr>
</tbody>
</table>

**Other Checks:***
- **Integrity of Exhausts Checked:** Yes
- **Smoke Testing Performed:** Yes
- **Continuous AFD Operation:** Yes
- **ACM being removed by stacking away from AFD's and progressing toward the AFD's:** Yes
- **Negative Pressure > 0.02 in. Water:** Yes
- **Pressure Continuously Monitored:** Yes

**Remarks:**
- ACM is being removed by stacking away from AFD's and progressing toward the AFD's. Air from the decontamination unit and/or makeup air inlet areas is not the contaminated ACM air toward AFD's in all work.

**Foreman or Supervisor Name:**

**Date:** 03/04/2023

**Signature:**

---

*Insert Checks in Prim. or Sec. Columns for Primary and Secondary Filter Changes. Record Pressure Drop When Pressure Differential According to Manufacturer: Decreases Flow 25% or Less.*
<table>
<thead>
<tr>
<th>Field</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Make &amp; Model</td>
<td>AED</td>
</tr>
<tr>
<td>Filter</td>
<td>Primary, Secondary</td>
</tr>
<tr>
<td>Change Date</td>
<td>12/30/20</td>
</tr>
<tr>
<td>Pressure Drop</td>
<td>0.40</td>
</tr>
<tr>
<td>Unit No. or Serial No.</td>
<td>39002</td>
</tr>
</tbody>
</table>

At the end of this sheet, changes must be made on this form. The blanks must be filled in or checked. A filter must be changed when pressure differential according to manufacturer decreases by 25% of 1.7. A filter must also be changed when pressure decreases by 0.5-0.7 of 1.7.

Connector: Asbestos, Inc.

Address: Helena, Montana

Project: Housing Authority of Helena, Montana

Project No.: 39002

M A I N T E N A N C E  L O G
A S B E S T O S  E L I T R A T I O N  D E V I C E  (A E D)
<table>
<thead>
<tr>
<th>AFD Make &amp; Model</th>
<th>Unit No. or Serial No.</th>
<th>Primary Pressure Drop</th>
<th>Time Change</th>
<th>Secondary Filter</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

- A Filter Must be Changed When Pressure Differential According to Manufacturer Decreases Below 25% or 1.7 in. of Water Inlet Check in Prim. or Sec. Columns for Primary and Secondary Filters Changes. Record Pressure Drop at End of Shift if NO Changes were Made. Write HEPA Filter if changed.

- Yes or No
- ACFM Testing Performed?
- Smoke Testing Performed?
- All Monitors & Gauges Working?
- Negative Pressure > 0.02 in. Water?
- Pressure Continuously Monitored?
- Yes or No
- Integrity of Exhausts check?
- Exhause to Outside Building?
- All Exhaust Velocities OK?
- Continuous AFD Operation?
- ACM is being removed by staring AFDs and progressing from the contaminated unit areas. Verify by smoke testing Yes or No.
<table>
<thead>
<tr>
<th>Filter</th>
<th>Primary</th>
<th>Charge</th>
<th>Drop</th>
<th>Pressure</th>
<th>Serial No.</th>
<th>Unit No.</th>
<th>Make &amp; Model (A/F)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

At end of shift, if filters were changed, write HPA & HPA filter changed.
In or out of water, place check in primary or secondary columns for primary and secondary filters changed. Record pressure.

A filter must be changed when pressure difference (in millimeters) decreases from 25% of 1.7.

Contactor: Asbestos, Inc.

Project: Helena, Montana

Project No.: 3002

M A I N T E N A N C E LOG

ASBESTOS FILTRATION DEVICE (A/F)

Daily