



# WESTERN STATE HOSPITAL HAZARDOUS MATERIALS SURVEY

## LAB ANALYSIS BUILDING #118

# SanAir Technologies Laboratory

## Analysis Report

prepared for

**El Group, Inc Roanoke Office**

Report Date: 9/10/2013  
Project Name: Western State  
Hospital  
Project #: IHRO130196.00  
SanAir ID#: 13021166



**804.897.1177**

**www.sanair.com**



## SanAir Technologies Laboratory, Inc.

1551 Oakbridge Drive, Suite B, Powhatan, VA 23139  
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EI Group, Inc Roanoke Office  
15 Salem Ave SE  
Suite 301  
Roanoke, VA 24011

September 10, 2013

SanAir ID # 13021166  
Project Name: Western State Hospital  
Project Number: IHRO130196.00

Dear Melissa Hart,

We at SanAir would like to thank you for the work you recently submitted. The 6 sample(s) were received on Tuesday, September 10, 2013 via FedEx. The final report(s) is enclosed for the following sample(s): 118-21, 118-22, 118-23, 118-24, 118-25, 118-26.

These results only pertain to this job and should not be used in the interpretation of any other job. This report is only complete in its entirety. Refer to the listing below of the pages included in a complete final report.

Sincerely,

Sandra Sobrino  
Asbestos & Materials Laboratory Manager  
SanAir Technologies Laboratory

Final Report Includes:  
- Cover Letter  
- Analysis Pages  
- Disclaimers and Additional Information

sample conditions:  
6 sample(s) in Good condition



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SanAir ID Number

**13021166**

FINAL REPORT

**Name:** El Group, Inc Roanoke Office  
**Address:** 15 Salem Ave SE  
Suite 301  
Roanoke, VA 24011

**Project Number:** IHRO130196.00  
**P.O. Number:**  
**Project Name:** Western State Hospital

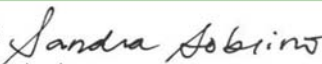
**Collected Date:** 9/9/2013  
**Received Date:** 9/10/2013 9:30:00 AM  
**Report Date:** 9/10/2013 5:57:41 PM  
**Analyst:** Tallert, Jonathan G.

### Asbestos Bulk PLM EPA 600/R-93/116

| SanAir ID / Description | Stereoscopic Appearance                 | Components                 |               | Asbestos Fibers |
|-------------------------|-----------------------------------------|----------------------------|---------------|-----------------|
|                         |                                         | % Fibrous                  | % Non-Fibrous |                 |
| 118-21 / 13021166-001   | Various<br>Non-Fibrous<br>Heterogeneous | 20% Cellulose<br>5% Glass  | 75% Other     | None Detected   |
| 118-22 / 13021166-002   | Various<br>Fibrous<br>Heterogeneous     | 40% Cellulose<br>15% Glass | 45% Other     | None Detected   |
| 118-23 / 13021166-003   | Grey<br>Fibrous<br>Homogeneous          | 80% Cellulose<br>10% Glass | 10% Other     | None Detected   |
| 118-24 / 13021166-004   | Various<br>Fibrous<br>Heterogeneous     | 50% Cellulose<br>10% Glass | 40% Other     | None Detected   |
| 118-25 / 13021166-005   | Various<br>Non-Fibrous<br>Heterogeneous | 20% Cellulose<br>5% Glass  | 75% Other     | None Detected   |
| 118-26 / 13021166-006   | Grey<br>Fibrous<br>Homogeneous          | 70% Cellulose<br>15% Glass | 15% Other     | None Detected   |

#### Certification

Signature:   
Date: 9/10/2013

Reviewed:   
Date: 9/10/2013

Page 1 of 1

### Disclaimer

The final report cannot be reproduced, except in full, without written authorization from SanAir. Fibers smaller than 5 microns cannot be seen with this method due to scope limitations. The accuracy of the results is dependent upon the client's sampling procedure and information provided to the laboratory by the client. SanAir assumes no responsibility for the sampling procedure and will provide evaluation reports based solely on the sample and information provided by the client. This report may not be used by the client to claim product endorsement by NVLAP or any other agency of the U.S. government.

For NY state samples, method EPA 600/M4-82-020 is performed.

Polarized- light microscopy is not consistently reliable in detecting asbestos in floor covering and similar non-friable organically bound materials. Quantitative transmission electron microscopy is currently the only method that can be used to determine if this material can be considered or treated as non-asbestos containing.

NY ELAP lab ID 11983

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## Asbestos Chain of Custody

SanAir ID Number

13021166

|                                         |           |                                             |             |
|-----------------------------------------|-----------|---------------------------------------------|-------------|
| Company: <u>The El Group - Staunton</u> |           | Project #: <u>1180130196 DO</u>             | Collect by: |
| Address:                                |           | Project Name: <u>Western State Hospital</u> | Phone #:    |
| City, St., Zip:                         |           | Date Collected: <u>9-9-13</u>               | Fax #:      |
| State of Collection: <u>VA</u>          | Account#: | P.O. Number:                                | Email:      |

| Bulk  |                          | Air                                 |        | Soil/Vermiculite         |                          |
|-------|--------------------------|-------------------------------------|--------|--------------------------|--------------------------|
| ABB   | PLM EPA 600/R-93/116     | <input checked="" type="checkbox"/> | ABA    | PCM NIOSH 7400           | <input type="checkbox"/> |
|       | Positive Stop            | <input type="checkbox"/>            | ABA-2  | OSHA w/ TWA*             | <input type="checkbox"/> |
| ABEPA | PLM EPA 400 Point Count  | <input type="checkbox"/>            | ABTEM  | TEM AHERA                | <input type="checkbox"/> |
| ABB1K | PLM EPA 1000 Point Count | <input type="checkbox"/>            | ABATN  | TEM NIOSH 7402           | <input type="checkbox"/> |
| ABBEN | PLM EPA NOB              | <input type="checkbox"/>            | ABT2   | TEM Level II             | <input type="checkbox"/> |
| ABBCH | TEM Chatfield            | <input type="checkbox"/>            |        |                          |                          |
| ABBTM | TEM EPA NOB              | <input type="checkbox"/>            |        |                          |                          |
| Water |                          | New York ELAP                       |        | Dust                     |                          |
| ABHE  | EPA 100.2                | <input type="checkbox"/>            | PLM NY | PLM 600/M4/82/020        | <input type="checkbox"/> |
|       |                          | <input type="checkbox"/>            | ABEPA2 | NY ELAP 198.1            | <input type="checkbox"/> |
|       |                          | <input type="checkbox"/>            | ABENY  | NY ELAP 198.6 PLM NOB    | <input type="checkbox"/> |
|       |                          | <input type="checkbox"/>            | ABBNY  | NY ELAP 198.4 TEM NOB    | <input type="checkbox"/> |
|       |                          |                                     | ABWA   | TEM Wipe ASTM D-6480     | <input type="checkbox"/> |
|       |                          |                                     | ABDMV  | TEM Microvac ASTM D-5755 | <input type="checkbox"/> |
|       |                          |                                     | Matrix | Other                    | <input type="checkbox"/> |

|                   |                                          |                                         |                                 |                                           |
|-------------------|------------------------------------------|-----------------------------------------|---------------------------------|-------------------------------------------|
| Turn Around Times | 3 HR (4 HR TEM) <input type="checkbox"/> | 6 HR (8HR TEM) <input type="checkbox"/> | 12 HR <input type="checkbox"/>  | 24 HR <input checked="" type="checkbox"/> |
|                   | 2 Days <input type="checkbox"/>          | 3 Days <input type="checkbox"/>         | 4 Days <input type="checkbox"/> | 5 Days <input type="checkbox"/>           |

Special Instructions: Email results to sanair@ei1.com

| Sample # | Sample Identification/Location | Volume or Area | Sample Type | Flow Rate* | Time* Start - Stop |
|----------|--------------------------------|----------------|-------------|------------|--------------------|
| 118-21   |                                |                |             |            |                    |
| ↓        |                                |                |             |            |                    |
| 118-26   |                                |                |             |            |                    |
|          |                                |                |             |            |                    |
|          |                                |                |             |            |                    |
|          |                                |                |             |            |                    |
|          |                                |                |             |            |                    |
|          |                                |                |             |            |                    |
|          |                                |                |             |            |                    |
|          |                                |                |             |            |                    |
|          |                                |                |             |            |                    |
|          |                                |                |             |            |                    |
|          |                                |                |             |            |                    |
|          |                                |                |             |            |                    |
|          |                                |                |             |            |                    |

| Relinquished by | Date          | Time        | Received by | Date               | Time           |
|-----------------|---------------|-------------|-------------|--------------------|----------------|
| <u>Don XR</u>   | <u>9-9-13</u> | <u>1540</u> | <u>CD</u>   | <u>SEP 10 2013</u> | <u>9:30 AM</u> |

Unless scheduled, the turn around time for all samples received after 3 pm EST Friday will begin at 8 am Monday morning. Weekend or Holiday work must be scheduled ahead of time and is charged for rush turn around time. Work with standard turn around time sent Priority Overnight and Billed To Recipient will be charged a \$10 shipping fee.

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